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PUBLIC HEALTH REPORTS.

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No. 17.

THE SANITARY PRIVY.^a

By CH. WARDELL STILES, Ph. D., Professor of Zoology, Hygienic Laboratory, United States Public Health and Marine-Hospital Service.

Soil pollution.—It is common knowledge among farmers that if live stock is kept year after year in the same pasture the animals will not thrive; in fact, that sooner or later, especially during a warm, moist season, they will probably sicken and die; this is especially true as applied to young animals.

The scientific explanation of this fact is clear. Nearly all animals harbor parasites in their intestinal canal; their eggs are passed in the droppings and develop young worms which in turn reinfect the live stock. If a pasture is in constant use, the ground becomes heavily infested with the young worms and other germs; the smaller the pasture and the greater the number of animals kept in it, the more intensified is the soil pollution. A warm, moist season is especially favorable to the development of parasitic worms, hence during such seasons the infection of the stock is more severe. The more heavily the animals are infected with parasites, the greater is the strain upon the strength of the stock and the less they thrive; when the infection reaches a point at which the pastured animals suffer, they naturally become sick. In other words, the soil pollution of a field by live stock renders the pasture unfavorable for raising animals, and the farmer learns by experience that it is necessary to move his cattle and sheep to other ground in order "to give the old pasture a rest," or expressed more technically, in order to permit the young worms and other germs in the pasture to die.

The foregoing principles, so well known to farmers in respect to their horses, cattle, swine, sheep, and chickens, apply with equal force to their families, but, strange to say, farmers are not so familiar with these principles as applied to their children as they are as applied to their live stock.

The prevention of soil pollution.—The *privy* is an invention of man which enables him to use the same yard (namely, pasture) for his family, year after year, and by which he is able to protect his family from the evils of soil pollution. Human beings, as well as cattle,

^a It is intended to reprint this article with detailed plans of construction arranged in a simple manner so that even a schoolboy can, by following the plans, build a sanitary privy.

sheep, horses, and chickens, may have germs, worms, and other parasites; if people pollute the soil, they too scatter germs and eggs of parasites on the ground; these eggs develop young worms, which in turn reinfect the family; the more intense this reinfection becomes, the less the children thrive, and finally a point is reached when the children or other members of the family sicken and die as a result of this infection.

If, however, a proper sanitary privy is provided, and if this is used consistently by all persons on the premises, it is clear that all the germs and infectious material (as typhoid bacilli) and all the eggs of the parasites are deposited in one place, from which they can be removed, so that the danger of reinfection is avoided.

Diseases spread by soil pollution.—It is especially the diseases of the intestinal and urinary systems that are spread by soil pollution, as for instance, typhoid fever, hookworm disease, eelworm infection, tapeworms, Cochlin-China diarrhea, amebic dysentery, bacillary dysentery, etc. All of these diseases can be greatly reduced and almost entirely eradicated by preventing soil pollution.

The popular idea of the purpose of a privy.—To the popular mind, a privy (as indicated by its name) is a structure to which a person may retire in private when responding to the daily calls of nature. Modesty and privacy are the prime ideas in the lay mind which lead to the construction and use of a privy. In accordance with this widespread conception, the chief idea usually sought is to hide a person momentarily from view, and as a clump of bushes or a grove of trees secures such privacy, many persons avoid the privy and simply use some secluded private spot.

This popular conception of an outhouse is reflected not only in the standard, but also in some medical dictionaries. Thus, Webster's Dictionary defines a privy as "A necessary house or place; a back-house." The National Medical Dictionary defines it as "An outhouse for convenience of defecation." Dunglison's Medical Dictionary does not even define the word.

The modern sanitary idea of the purposes of a privy.—To the sanitarian the chief purpose of a privy is to prevent soil pollution, and thereby (by properly collecting the excreta) to prevent the spread of disease. Modesty and privacy are, to the mind of the sanitarian, laudable objects, but infinitely secondary when compared with the great object of saving human life by preventing the spread of disease.

As substitute for the dictionary definition of a privy, I would suggest the following:

A privy is an outhouse designed, *primarily*, to prevent soil pollution and hence to prevent the spread of disease through dissemination of disease germs contained in the excreta; *secondarily*, to insure privacy and safeguard modesty to persons responding to the daily calls of nature.

The essential parts of a privy.—On basis of the definition just proposed, the privy should consist of two chief parts, namely: *First*, a receptacle for the excreta, in which they will be safeguarded against dissemination by any and all agents, as, for instance, rain, insects (as flies, etc.), chickens, swine, dogs, etc.; *secondly*, a retiring room for the people responding to nature's daily calls.

The essential problems in constructing a privy.—From the foregoing it is clear that the two great problems to be held in mind in construct-

ing a privy are, *first*, to protect the receptacle for the excreta in such a way that the germs can not spread; *secondly*, to construct the entire outhouse in such a way that persons will seek to use it and not (as is so common) to avoid it—in other words, not only must it insure privacy, but it *must not be a disagreeable place in which to be private*. This latter point is especially important in warm climates, for the ordinary privy is so disagreeable in warm weather that people, especially men, very frequently avoid it. Still another point must be considered, namely, the cost of construction must be brought within the purse limits of the poor as well as of the well-to-do family.



FIG. 1.—An insanitary privy, found too frequently on our farms. Notice how the animals are spreading soil pollution.

How not to build a privy.—Figure 1 represents the privy as it should *not* be constructed. This style of outhouse is altogether too common, not only on farms, but also in villages and in suburbs of cities.

Figure 2 represents an outhouse which is much less offensive to the eye and to the sense of modesty, but scarcely less dangerous from a health point of view than the outhouse shown in figure 1.

The fundamental fault of the structures shown in figures 1 and 2 is that both of these toilets are constructed solely on basis of the popular idea that a privy is simply a place for privacy, hence no provision exists for safeguarding against the spread of disease. It may

be admitted that if outhouses of the styles shown in figures 1 and 2 are cleaned regularly, say once a day or once a week, the danger of the spread of disease is decreased in proportion to the care exercised in promptly removing the excreta. But the point must be insisted upon that no matter how carefully and how frequently such toilets (figs. 1 and 2) are cleaned, *it is both theoretically and practically impossible to prevent disease from spreading.* For instance, flies may visit



FIG. 2.—The average style of privy found in the South. It is known as a surface privy, open in back. Notice how the soil pollution is being spread, and how flies can carry the filth to the house and thus infect the food.

the excreta and carry infectious filth to the food, while dogs, swine, and chickens may feed here and scatter infectious material over the ground. One of the common sights in villages and on farms is that of chickens feeding at outhouses constructed on the plan shown in figures 1 and 2.

How to build a privy.—Figures 3 and 4 show a privy designed to comply with the revised definition given above. The following are the essential features: There is (A) a closed portion (box) under the

seat for the reception (in a receptacle) and safeguarding of the excreta; (B) a room for the occupant; and (C) there is proper ventilation.

A. The receptacle consists practically of a box, with a top represented by the *seat*, with a *floor* which is a continuation of the floor

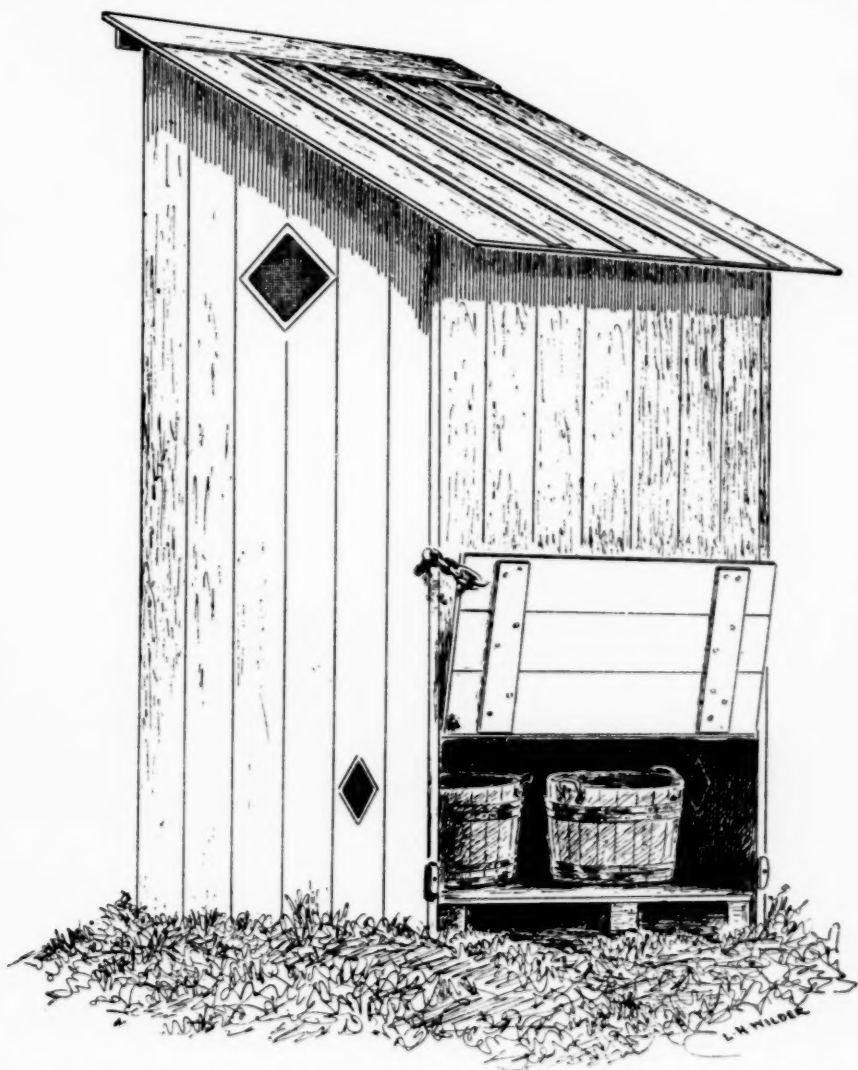


FIG. 3.—A sanitary privy, designed to prevent soil pollution. Galvanized pails may be used instead of tubs. The door should be kept closed. The ventilators should be wire-screened to keep out flies. The seats should be provided with hinged lids.

of the room, with a *front* extending from the seat to the floor, with a *hinged back* which should close tightly, and with two *sides* continuous with the sides of the room and provided with wire screened ventilators, the upper margin of which is just under the level of the seat. The seat should have one or more holes according to the size of the privy desired, and each hole should have a *hinged lid* which lifts up

toward the back of the room; there should be a piece of wood nailed across the back, on the inside of the room, so as to prevent the lids from being lifted sufficiently to fall backward and so as to make them fall forward of their own accord as soon as the person rises. In this box there should be one or more water-tight tubs, half barrels, pails, or galvanized cans, corresponding to the number of holes in the seat. This receptacle should be high enough to reach nearly to the seat, or better still, so as to fit snugly against the seat, in order

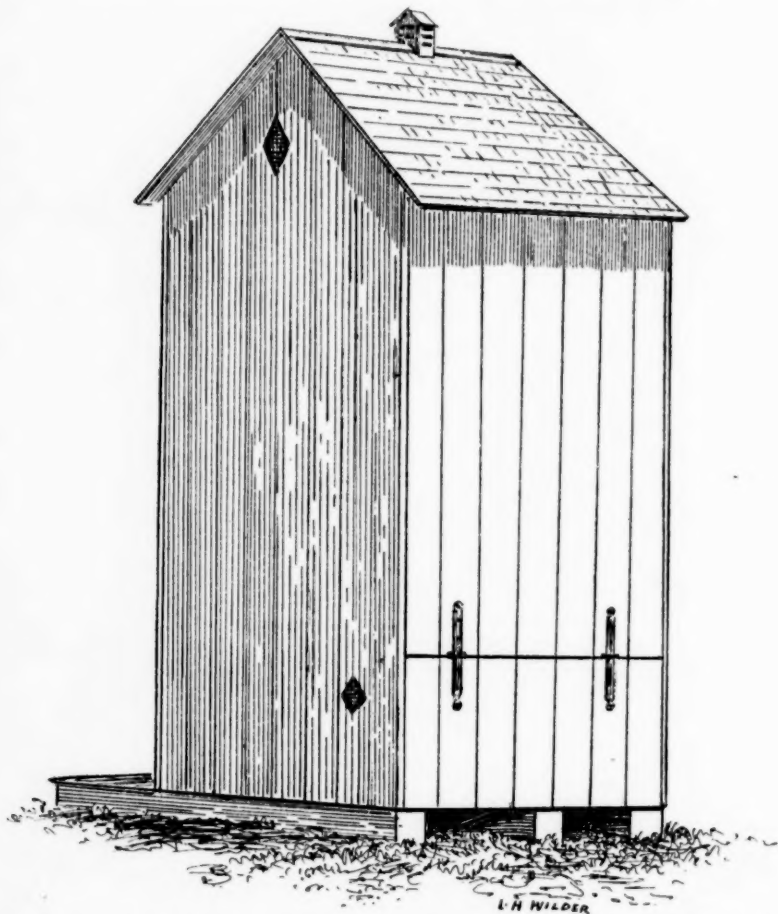


FIG. 4.—A sanitary privy showing firmly closed door, thus preventing flies, animals, etc., having access to the fecal material.

to protect the floor against soiling, and sufficiently deep to prevent splashing the person on the seat; it should be held in place by cleats nailed to the floor in such a way that the tub will always be properly centered. The back should be kept closed, as shown in figure 4.

B. The room should be water-tight and should be provided in front with a good, tightly fitting *door*. The darker this room can be made the fewer flies will enter. The *roof* may have a single slant, as shown in figure 3, or a double slant as shown in figure 4, but while

the double slant is somewhat more sightly, the single slant is less expensive on first cost. The room should be provided with two or three wire-screened ventilators, as near the roof as possible.

C. The ventilators are very important additions to the privy, as they permit a free circulation of air and thus not only reduce the odor but make the outhouse cooler. These ventilators should be copper-wire-screened in order to keep out flies and other insects. There should be at least 4 (better 5), arranged as follows: One each side of the box; one each side the room near the roof; and a fifth ventilator, over the door, in front, is advisable.

Latticework, flowers, and vines.—At best, the privy is not an attractive addition to the yard. It is possible, however, to reduce its unattractiveness by surrounding it with a latticework on which are trained vines or flowers. This plan, which adds but little to the expense, renders the building much less unsightly and much more private.

Disinfectant.—It is only in comparatively recent years that the privy has been thought worthy of scientific study, and not unnaturally there is some difference of opinion at present as to the best plan to follow in regard to disinfectants.

(a) *Top soil.*—Some persons prefer to keep a box or a barrel of top soil, sand, or ashes in the room and to recommend that each time the privy is used the excreta be covered with a shovelful of the dirt. While this has the advantage of simplicity, it has the disadvantage of favoring carelessness, as people so commonly (in fact, as a rule) fail to cover the excreta; further, in order to have the best results, it is necessary to cover the discharges very completely; finally, at best, our knowledge as to how long certain germs and spores will live under these conditions is very unsatisfactory.

(b) *Lime.*—Some persons prefer to have a box of lime in the room and to cover the excreta with this material. Against this system there is the objection that the lime is not used with sufficient frequency or liberality to keep insects away, as is shown by the fact that flies carry the lime to the house and deposit it on the food.

(c) *Water and oil.*—A very cheap and simple method is to fill the tub about one-fourth to one-third with water; this plan gives the excreta a chance to ferment and liquify so that the disease germs may be more easily destroyed. If this plan is followed a cup of oil (kerosene will answer) should be poured on the water in order to repel insects.

(d) *Cresole.*—Some persons favor the use of a 5 per cent crude carbolic acid in the tub, but probably the compound solution of cresole (U. S. P.) will be found equally or more satisfactory if used in a strength of 1 part of this solution to 19 parts of water.

If a disinfectant is used the family should be warned to keep the reserve supply in a place that is not accessible to the children, otherwise accidents may result.

Cleaning the receptacle.—The frequency of cleaning the receptacle depends upon (a) the size of the tub, (b) the number of persons using the privy, and (c) the weather. In general, it is best to clean it about once a week in winter and twice a week in summer.

An excellent plan is to have a double set of pails or tubs for each privy. Suppose the outhouse is to be cleaned every Saturday: Then

pail No. 1 is taken out (say January 1), covered, and set aside until the following Saturday; pail No. 2 is placed in the box for use; on January 8, pail No. 1 is emptied and put back in the box for use while pail No. 2 is taken out, covered, and set aside for a week (namely, until January 15); and so on throughout the year. The object of this plan is to give an extra long time for the germs to be killed by fermentation or by the action of the disinfectant before the pail is emptied.

Each time that the receptacle is emptied, it is best to sprinkle into it a layer of top soil about a quarter to half an inch deep before putting it back into the box.

Disposal of the excreta.—For the present, until certain very thorough investigations are made in regard to the length of time that the eggs of parasites and the spores of certain other germs may live under various plans (a) to (d), mentioned on page 551, it is undoubtedly best to burn all excreta; where this is not feasible, it is best to bury all human discharges at least 300 feet away and down hill from any water supply (as the well, spring, etc.).

Many farmers insist upon using the night soil as fertilizer. In warm climates this is attended with considerable danger, and if it is so utilized, it should never be used upon any field upon which vegetables are grown which are eaten uncooked; further, it should be promptly plowed under.

In our present lack of knowledge as to the length of time that various germs (as spores of the ameba which produce dysentery, various eggs, etc.) may live, the use of night soil as a fertilizer is false economy which may result in loss of human life. This is especially true in warm climates.

UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

PLAGUE-PREVENTION WORK.

Passed Assistant Surgeon McCoy reports:

SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date, 398.

Week ended April 9, 1910. Premises inspected, 804. Houses disinfected, 1. Houses destroyed, 11. Buildings condemned, 3. Nuisances abated, 69. Poisons placed, 7,335. Rats trapped, 1,987. Rats found dead, 38. Gophers trapped, 11. Squirrels trapped, 2. Rats identified, 2,025, as follows: *Mus norvegicus*, 1,541; *Mus rattus*, 78; *Mus musculus*, 337; *Mus alexandrinus*, 69. Average number of traps set daily, 7,545. Examined bacteriologically, 1,701 rats, 11 gophers, 2 squirrels. No plague-infection found.

BERKELEY, CAL.

There is no record of rodent plague in Berkeley. The last case of human plague sickened August 28, 1907.

Week ended April 9, 1910. Rats trapped, 12. Rats identified, 12, all being *Mus norvegicus*. Rats examined bacteriologically, 12. No plague-infected rats found.

OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last case of rodent plague found December 1, 1908.

Week ended April 9, 1910. Rats found dead, 28. Rats trapped, 553. Rats identified, 581, as follows: *Mus norvegicus*, 464; *Mus rattus*, 1; *Mus musculus*, 116. Rats examined bacteriologically, 459. No plague-infected rats found.

ALAMEDA COUNTY, CAL. (EXCLUSIVE OF CITY OF OAKLAND).

Last case of human plague sickened 2 miles southwest of Sunol September 26, 1909. Last case of rodent plague found March 25, 1910. To the present time 76 ground squirrels and 1 wood rat have been found infected.

Week ended April 9, 1910. Ranches inspected, 10. Ground squirrels shot, 79. Acres covered with poison, 119. Ground squirrels examined bacteriologically, 79. No plague-infected squirrels found.

FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County.

Week ended April 9. Ranches inspected, 28. Ground squirrels shot, 632. Ground squirrels examined bacteriologically, 628. No plague-infected ground squirrels found.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County.

Week ended April 9. Ranches inspected, 9. Ground squirrels shot, 342. Rabbits shot, 12. Examined bacteriologically, 339 squirrels and 12 rabbits. No plague infection found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County.

Week ended April 9. Ranches inspected, 41. Ground squirrels shot, 325; found dead, 2. Ground squirrels examined bacteriologically, 321. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended April 9. Ranches inspected, 21. Ground squirrels shot, 196. Ground squirrels examined bacteriologically, 195. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL;

There is no record of human or rodent plague in San Mateo County.

Week ended April 9. Ranches inspected, 7. Ground squirrels shot, 155. Ground squirrels examined bacteriologically, 150. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

There is no record of human or rodent plague in Santa Barbara County.

Week ended April 9. Ranches inspected, 29. Ground squirrels shot, 208. Ground squirrels examined bacteriologically, 201. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

There is no record of human plague in Santa Clara County. A plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended April 9, 1910. Ranches inspected, 6. Ground squirrels shot, 119. Ground squirrels examined bacteriologically, 117. No plague-infected squirrels found.

TULARE COUNTY, CAL.

There is no record of human or rodent plague in Tulare County.

Week ended April 9. Ranches inspected, 7. Ground squirrels shot, 424. Rabbits shot, 1. Examined bacteriologically, 419 squirrels and 1 rabbit. No plague infection found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County. Week ended April 9. Ranches inspected, 9. Groundsquirrelshot, 54. Ground squirrels examined bacteriologically, 54. No plague-infected squirrels found.

Assistant Surgeon Chapin reports:

SEATTLE, WASH.

No case of human plague since October 30, 1907. The last plague-infected rat was found February 8, 1910. Total plague-infected rats found to date, 22.

Week ended April 9, 1910. Rats received, 1,057. Rats necropsied, 864. No plague-infected rats found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Apr. 10-16.....	4		
California:				
Sacramento.....	Mar. 1-31.....	2		
District of Columbia.....	Apr. 10-16.....	9		
Florida:				
Volusia County.....	Apr. 10-16.....	1		
Louisiana:				
New Orleans.....	Apr. 10-16.....	10		
Missouri:				
Kahoka.....	Apr. 20-26.....	2		
Kansas City.....	Mar. 20-Apr. 9.....	13		
St. Louis.....	Apr. 10-16.....	3		
Springfield.....	Mar. 1-31.....	2		
Montana:				
Custer County.....	Mar. 1-31.....	1		
Deerlodge County.....	Mar. 1-31.....	1		
Missoula County.....	Mar. 1-31.....	6		
Powell County.....	Mar. 1-31.....	2		
Ravalli County.....	Mar. 1-31.....	2		
Sanders County.....	Mar. 1-31.....	4		
Silver Bow County.....	Mar. 1-31.....	9		
Butte.....	Mar. 1-31.....	43		
New York:				
Cortland County.....	Feb. 1-28.....	1		
Erie County.....	Feb. 1-28.....			
Buffalo.....	Feb. 1-28.....	1	1	
Tonawanda.....	Feb. 1-28.....	15		
Herkimer County.....	Feb. 1-28.....	7		
Jefferson County.....	Feb. 1-28.....	1		
Lewis County.....	Feb. 1-28.....	7		
Niagara County.....	Feb. 1-28.....			
North Tonawanda.....	Feb. 1-28.....	13		
St. Lawrence County.....	Feb. 1-28.....	5		
Allegany County.....	Mar. 1-31.....	1		
Chautauqua County.....	Mar. 1-31.....	1		
Erie County.....	Mar. 1-31.....			
Tonawanda (township).....	Mar. 1-31.....	1		
Tonawanda (city).....	Mar. 1-31.....	8		
Herkimer County.....	Mar. 1-31.....	17		
Jefferson County.....	Mar. 1-31.....	7		
Lewis County.....	Mar. 1-31.....	4		
Niagara County.....	Mar. 1-31.....			
North Tonawanda.....	Mar. 1-31.....	20		
Northfield.....	Mar. 1-31.....	1		
St. Lawrence County.....	Mar. 1-31.....	7		
Nassau County.....	Mar. 1-31.....	1		
Tennessee:				
Chattanooga.....	Apr. 10-16.....	5		
Memphis.....	Apr. 3-16.....	24		
Nashville.....	Apr. 10-16.....	2		
Texas:				
Austin.....	Apr. 9-13.....			Present.
El Paso.....	Apr. 3-16.....	3		
San Antonio.....	Apr. 5-16.....	4		
Virginia:				
Brookneal.....	Apr. 10-16.....	1		In vicinity.
Lynchburg.....	Apr. 10-16.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Jan. 9-Apr. 9.....	50		
Mobile.....	Jan. 16-Apr. 2.....	9		
Montgomery.....	Dec. 19-Apr. 2.....	441	1	
Total for State.....		500	1	
Arkansas:				
Argenta.....	Jan. 22-Feb. 12.....	11		
Little Rock.....	Jan. 1-Mar. 12.....	92		
Lonoke.....	Jan. 6-20.....	2		
Monticello.....	Year 1909.....	60		
Total for State.....		165		
California:				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Los Angeles.....	Jan. 12-Apr. 2.....	6		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-Feb. 28.....	54		
San Francisco.....	Dec. 19-Mar. 26.....	23		
Total for State.....		85	1	
Colorado:				
Adams County.....	Mar. 1-31.....	1		
Bent County.....	Feb. 1-28.....	10		
Boulder County—				
Boulder.....	Dec. 19-25.....	1		
Chaffee County.....	Jan. 1-31.....	6		
Clear Creek County.....	Mar. 1-31.....	1		
Conejos County.....	Jan. 1-Mar. 31.....	50		
Delta County.....	Mar. 1-31.....	1		
Denver County.....	Jan. 1-Mar. 31.....	41		
Fremont County.....	Feb. 1-28.....	14		
Garfield County.....	Jan. 1-31.....	1		
Huerfano County.....	Jan. 1-Mar. 31.....	16		
Jefferson County.....	Feb. 1-28.....	1		
La Plata County.....	Feb. 1-28.....	4		
Larimer County.....	Jan. 1-31.....	4		
Las Animas County.....	Jan. 1-Mar. 31.....	25		
Logan County.....	Jan. 1-Feb. 28.....	17		
Mesa County.....	Jan. 1-31.....	4		
Fruita district.....	Dec. 26-Jan. 1.....	3		
Montrose County.....	Jan. 1-Mar. 31.....	86		
Morgan County.....	Jan. 1-Mar. 31.....	28		
Otero County.....	Jan. 1-31.....	1		
Ouray County.....	Jan. 1-Feb. 28.....	13		
Pitkin County.....	Feb. 1-Mar. 31.....	9		
Prowers County.....	Mar. 1-31.....	9		
Pueblo County.....	Feb. 1-Mar. 31.....	3		
Rio Grande County.....	Feb. 1-28.....	1		
San Miguel County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-Mar. 31.....	45		
Total for State.....		397		
District of Columbia.....	Dec. 19-Apr. 9....	39		
Total for District.....		39		
Florida:				
Alachua County.....	Jan. 1-Feb. 26.....	3		
Citrus County.....	Mar. 27-Apr. 2.....	2		
Columbia County.....	Feb. 13-19.....	2		
Duval County.....	Jan. 1-Apr. 9.....	17		
Jacksonville.....	Jan. 30-Mar. 12.....	4		
Escambia County.....	Feb. 6-Apr. 9.....	60		
Pensacola.....	Feb. 20-26.....	1		
Gadsden County.....	Jan. 1-Apr. 9.....	4		
Hillsboro County.....	Jan. 1-31.....	1		
Jackson County.....	Mar. 20-26.....	19		
Jefferson County.....	Mar. 20-26.....	15		
Leon County.....	Feb. 20-Mar. 26.....	24		
Liberty County.....	Jan. 1-31.....	1		
Santa Rosa County.....	Mar. 20-Apr. 2.....	6		
Volusia County.....	Mar. 6-12.....	1		
Walton County.....	Jan. 1-31.....	3		
Total for State.....		163		

SMALLPOX IN THE UNITED STATES—Continued.
Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Macon.....	Jan. 1-31.....	51		
Total for State.....		51		
Illinois:				
Alexander County.....	Jan. 1-31.....	6		
Bond County.....	Mar. 1-31.....	2		
Cass County.....	Feb. 1-Mar. 31.....	16		
Coles County.....	Jan. 1-Mar. 31.....	7		
Cook County—				
Chicago.....	Dec. 19-Mar. 31.....	4		
Dupage County.....	Feb. 1-28.....			Present.
Edwards County.....	Jan. 1-Mar. 31.....	32		
Effingham County.....	Jan. 1-Feb. 28.....	82		
Fayette County.....	Jan. 1-Feb. 28.....	2		
Franklin County.....	Jan. 1-31.....	6		
Gallatin County.....	Feb. 1-28.....	2		
Iroquois County.....	Feb. 1-28.....	1		
Jackson County.....	Jan. 1-Feb. 28.....	3		
Jasper County.....	Feb. 1-28.....			Do.
Kane County.....	Jan. 1-31.....	1		
Livingston County.....	Feb. 1-Mar. 31.....	4		
Macon County.....	Jan. 1-31.....	1		
McLean County.....	Jan. 1-Mar. 31.....	2		
Madison County.....	Feb. 1-Mar. 31.....	6		
Marion County.....	Feb. 1-28.....	2		
Montgomery County.....	Jan. 1-Feb. 28.....	10		
Morgan County.....	Mar. 1-31.....	3		
Pike County.....	Feb. 1-28.....	2		
Pulaski County.....	Jan. 1-31.....	2		
Richland County.....	Mar. 1-31.....	1		
Sangamon County.....	Jan. 1-31.....	4		Do.
Shelby County.....	Jan. 1-Feb. 28.....	10		
Wabash County.....	Jan. 1-31.....			Do.
Wayne County.....	Jan. 1-31.....	5		
Williamson County.....	Jan. 1-Mar. 31.....	76		
Total for State.....		292		
Indiana:				
Adams County.....	Oct. 1-Feb. 28.....	6		
Allen County.....	Oct. 1-Jan. 31.....	187	1	
Boone County.....	Feb. 1-28.....	3		
Carroll County.....	Nov. 1-Jan. 21.....	2		
Clark County.....	Dec. 1-Jan. 31.....	20		
Clinton County.....	Dec. 1-Feb. 28.....	45		
Crawford County.....	Jan. 1-Feb. 28.....	2		
Daviess County.....	Nov. 1-Feb. 28.....	30		
Decatur County.....	Jan. 1-Feb. 28.....	5		
Dekalb County.....	Dec. 1-Apr. 2.....	4		
Delaware County.....	Oct. 1-Nov. 30.....	20		
Fountain County.....	Jan. 1-31.....	1		
Fulton County.....	Jan. 1-Apr. 2.....	12		
Grant County.....	Oct. 1-Apr. 2.....	42	1	
Greene County.....	Oct. 1-31.....	6		
Hamilton County.....	Jan. 1-31.....	4		
Henry County.....	Jan. 1-31.....	2		
Huntington County.....	Jan. 1-Apr. 2.....	4		
Jefferson County.....	Nov. 1-30.....	1		
Jennings County.....	Jan. 1-Apr. 2.....	10		
Knox County.....	Oct. 1-31.....	7		
Laporte County.....	Dec. 1-31.....	1		
Madison County.....	Jan. 1-Apr. 2.....	4		
Marion County.....	Dec. 1-Apr. 2.....	4		
Marshall County.....	Oct. 1-Apr. 2.....	82		
Martin County.....	Jan. 1-31.....	1		
Miami County.....	Jan. 1-Apr. 2.....	4		
Montgomery County.....	Jan. 1-31.....	2		
Noble County.....	Nov. 1-Jan. 31.....	2		
Randolph County.....	Oct. 1-Apr. 2.....	2		
St. Joseph County.....	Oct. 1-Apr. 2.....	24		
Shelby County.....	Dec. 1-Apr. 2.....	49		
Steuben County.....	Nov. 1-30.....	3		
Tiptecanoe County.....	Dec. 1-Apr. 2.....	4		
Vanderburg County.....	Oct. 1-31.....	8		
Vigo County.....	Feb. 1-28.....	1		
Wabash County.....	Feb. 1-28.....	7		
Warren County.....	Nov. 1-30.....	1		
Warwick County.....	Feb. 1-28.....	1		
Washington County.....	Jan. 1-31.....	1		
Wayne County.....	Nov. 1-Jan. 31.....	1		
Total for State.....		615	2	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general.....	Jan. 1-31.....	19	.....
Audubon County.....	Mar. 1-31.....	1	.....
Benton County.....	Mar. 1-31.....	1	.....
Buchanan County.....	Feb. 1-Mar. 31.....	9	.....
Buena Vista County.....	Jan. 1-31.....	1	.....
Calhoun County.....	Jan. 1-31.....	10	.....
Carroll County.....	Mar. 1-31.....	1	.....
Cass County.....	Jan. 1-31.....	1	.....
Cedar County.....	Jan. 1-Mar. 31.....	4	.....
Cherokee County.....	Jan. 1-Mar. 31.....	25	.....
Clayton County.....	Jan. 1-31.....	1	.....
Clinton County.....	Mar. 1-31.....	1	.....
Dallas County.....	Jan. 1-Mar. 31.....	6	.....
Delaware County.....	Feb. 1-28.....	4	.....
Dubuque County.....	Jan. 1-Mar. 31.....	47	.....
Floyd County.....	Feb. 1-28.....	2	.....
Grundy County.....	Feb. 1-28.....	4	.....
Jefferson County.....	Mar. 1-31.....	1	.....
Jones County.....	Jan. 1-Feb. 28.....	3	.....
Linn County.....	Jan. 1-Mar. 31.....	8	.....
Cedar Rapids.....	Dec. 1-31.....	7	.....
Lyon County.....	Mar. 1-31.....	6	.....
Madison County.....	Jan. 1-31.....	1	.....
Marion County.....	Jan. 1-31.....	2	.....
Marshall County.....	Jan. 1-Feb. 28.....	5	.....
Mitchell County.....	Feb. 1-Mar. 31.....	2	.....
Monroe County.....	Jan. 1-Feb. 28.....	3	.....
Osceola County.....	Mar. 1-31.....	1	.....
Polk County.....	Jan. 1-Mar. 31.....	75	.....
Pottawattamie County.....	Jan. 1-31.....	1	.....
Poweshiek County.....	Jan. 1-Mar. 31.....	19	.....
Scott County.....	Feb. 1-Mar. 31.....	5	.....
Sioux County.....	Jan. 1-Mar. 31.....	17	.....
Story County.....	Feb. 1-28.....	32	.....
Winnebago County.....	Feb. 1-28.....	5	.....
Woodbury County.....	Feb. 1-Mar. 31.....	3	.....
Sioux City.....	Dec. 1-31.....	2	.....
Wright County.....	Feb. 1-Mar. 31.....	2	.....
Total for State.....		337		
Kansas:				
Allen County.....	Jan. 1-Mar. 31.....	7	.....
Atchison County.....	Feb. 1-Mar. 31.....	10	.....
Atchison.....	Mar. 1-31.....	4	.....
Barton County.....	Jan. 1-31.....	1	.....
Bourbon County.....	Jan. 1-31.....	3	.....
Butler County.....	Feb. 1-Mar. 31.....	8	.....
Chautauqua County.....	Mar. 1-31.....	10	.....
Cherokee County.....	Jan. 1-Mar. 31.....	21	.....
Clark County.....	Mar. 1-31.....	5	.....
Clay County.....	Nov. 1-30.....	1	.....
Cloud County.....	Nov. 1-30.....	1	.....
Cowley County.....	Nov. 1-30.....	3	.....
Crawford County.....	Dec. 1-Mar. 31.....	5	.....
Pittsburg.....	Jan. 1-Mar. 31.....	9	.....
Decatur County.....	Nov. 1-Mar. 31.....	39	.....
Dickinson County.....	Jan. 1-Feb. 28.....	11	.....
Doniphan County.....	Mar. 1-31.....	12	.....
Douglas County.....	Dec. 1-Mar. 31.....	4	.....
Ellsworth County.....	Jan. 1-Feb. 28.....	18	.....
Finney County.....	Jan. 1-31.....	1	.....
Ford County.....	Jan. 1-Mar. 31.....	9	1	
Franklin County.....	Mar. 1-31.....	3	.....
Gove County.....	Dec. 1-31.....	3	.....
Graham County.....	Nov. 1-Feb. 28.....	47	.....
Gray County.....	Jan. 1-Feb. 28.....	25	.....
Greenwood County.....	Mar. 1-31.....	9	.....
Hamilton County.....	Jan. 1-31.....	2	.....
Harper County.....	Feb. 1-28.....	1	.....
Harvey County.....	Feb. 1-Mar. 31.....	5	.....
Jackson County.....	Dec. 1-Mar. 31.....	12	.....
Jefferson County.....	Feb. 1-28.....	2	.....
Jewell County.....	Nov. 1-Mar. 31.....	58	.....
Kearny County.....	Jan. 1-31.....	1	.....
Kingman County.....	Feb. 1-28.....	11	.....
Kiowa County.....	Jan. 1-31.....	2	.....
Labette County.....	Jan. 1-Mar. 31.....	9	.....
Parsons.....	Mar. 1-31.....	4	.....
Lane County.....	Nov. 1-30.....	1	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Leavenworth County.....	Dec. 1-Feb. 28....	2		
Lincoln County.....	Mar. 1-31.....	1		
Logan County.....	Jan. 1-31.....	2		
Lyon County.....	Dec. 1-31.....	1		
McPherson County.....	Dec. 1-Jan. 31....	3		
Marion County.....	Mar. 1-31.....	1		
Marshall County.....	Dec. 1-31.....	20		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Nov. 1-Mar. 31....	180		
Coffeyville.....	Jan. 1-Feb. 28....	36		
Nemaha County.....	Jan. 1-31.....	1		
Neosho County.....	Jan. 1-31.....	1		
Ness County.....	Dec. 1-Mar. 31....	15		
Norton County.....	Nov. 1-Feb. 28....	40		
Osage County.....	Jan. 1-Mar. 31....	61		
Osborne County.....	Mar. 1-31.....	4		
Phillips County.....	Jan. 1-Mar. 31....	11		
Pottawatomie County.....	Nov. 1-Mar. 31....	36		
Pratt County.....	Feb. 1-28.....	1		
Rawlins County.....	Jan. 1-Mar. 31....	25		
Reno County.....	Nov. 1-Feb. 28....	151		
Republic County.....	Feb. 1-Mar. 28....	5		
Rice County.....	Jan. 1-Feb. 28....	8		
Riley County.....	Jan. 1-Feb. 28....	18		
Rooks County.....	Feb. 1-28.....	2		
Rush County.....	Jan. 1-31.....	5		
Russell County.....	Jan. 1-Feb. 28....	4		
Saline County.....	Dec. 1-Mar. 31....	4		
Scott County.....	Nov. 1-Feb. 28....	19		
Sedgwick County.....	Dec. 1-Mar. 31....	10	1	
Wichita.....	Jan. 1-31.....	1		
Shawnee County.....	Dec. 1-Mar. 31....	58		
Topeka.....	Nov. 1-Mar. 31....	72		
Sheridan County.....	Nov. 1-Jan. 31....	8		
Smith County.....	Jan. 1-Mar. 31....	5		
Sumner County.....	Nov. 1-Mar. 31....	14		
Thomas County.....	Jan. 1-31.....	1		
Wabaunsee County.....	Nov. 1-Mar. 31....	4		
Wilson County.....	Nov. 1-Feb. 28....	4		
Woodson County.....	Jan. 1-Feb. 28....	28		
Wyandotte County.....	Dec. 1-Jan. 31....	91		
Kansas City.....	Jan. 1-Mar. 31....	76		
Total for State.....		1,409	2	
Kentucky:				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
Louisiana:				
Caddo Parish—				
Shreveport.....	Jan. 23-Feb. 28....	5	2	
Iberia Parish.....	Feb. 1-Mar. 31....	9		
Natchitoches Parish.....	Feb. 1-28.....	6		
Orleans Parish—				
New Orleans.....	Dec. 26-Apr. 9....	132		
Morehouse Parish.....	Feb. 1-28.....	2		
St. John Parish.....	Feb. 1-Mar. 31....	44		
St. Tammany Parish.....	Mar. 1-31.....	6		
Tensas Parish.....	Feb. 1-Mar. 31....	17		
West Feliciana Parish.....	Mar. 1-31.....	2		
Total for State.....		223	2	
Maine:				
Aroostook County—				
Caribou.....	Feb. 1-28.....	6		
Total for State.....		6		
Maryland:				
Baltimore.....	Dec. 26-Jan. 1....	1		
Dorchester County.....	Dec. 3-31.....	4		
Garrett County.....	Jan. 8-31.....	1		
Total for State.....		6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Massachusetts:				
Bristol County.....	Feb. 1-28.....	6		
Essex County.....	Jan. 1-Mar. 31.....	2		
Middlesex County.....	Jan. 1-Mar. 31.....	77		
Norfolk County.....	Mar. 1-31.....	1		
Lynn County.....	Jan. 1-31.....	4		
Plymouth County.....	Feb. 1-28.....	4		
Suffolk County.....	Jan. 1-Mar. 31.....	4		
Worcester County.....	Jan. 1-Mar. 31.....	23		
Total for State.....		121		
Michigan:				
Alcona County.....	Nov. 1-Mar. 31.....	31		
Alpena County.....	Mar. 1-31.....	1		
Antrim County.....	Nov. 1-Mar. 31.....	34		
Arenac County.....	Nov. 1-Mar. 31.....	142		
Bay County.....	Nov. 1-Mar. 31.....	154		
Benzie County.....	Mar. 1-31.....	1		
Berrien County.....	Jan. 1-Mar. 31.....	30		
Calhoun County.....	Feb. 1-Mar. 31.....	3		
Cass County.....	Feb. 1-Mar. 31.....	2		
Cheboygan County.....	Mar. 1-31.....	7		
Clare County.....	Feb. 1-Mar. 31.....	5		
Delta County.....	Dec. 1-Mar. 31.....	2		
Eaton County.....	Feb. 1-Mar. 31.....	8		
Emmet County.....	Nov. 1-Feb. 28.....	4		
Genesee County.....	Nov. 1-Mar. 31.....	279		
Gladwin County.....	Nov. 1-Jan. 31.....	8		
Gratiot County.....	Nov. 1-30.....	1		
Hillsdale County.....	Mar. 1-31.....	1		
Houghton County.....	Nov. 1-Mar. 31.....	59		
Huron County.....	Feb. 1-Mar. 31.....	37		
Ingham County.....	Dec. 1-Mar. 31.....	14		
Ionia County.....	Nov. 1-Mar. 31.....	42		
Iosco County.....	Dec. 1-Mar. 31.....	6	1	
Kent County.....	Dec. 1-Feb. 28.....	5		
Keweenaw County.....	Jan. 1-Mar. 31.....	4		
Lapeer County.....	Nov. 1-Mar. 31.....	25		
Livingston County.....	Nov. 1-Mar. 31.....	32		
Manistee County.....	Feb. 1-Mar. 31.....	9		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Mecosta County.....	Jan. 1-Mar. 31.....	19		
Midland County.....	Dec. 1-Feb. 28.....	11		
Missaukee County.....	Jan. 1-Mar. 31.....	34		
Montcalm County.....	Nov. 1-Mar. 31.....	14		
Montmorency County.....	Dec. 1-Mar. 31.....	38		
Oakland County.....	Jan. 1-Mar. 31.....	2		
Oceana County.....	Jan. 1-31.....	1		
Ogemaw County.....	Jan. 1-Mar. 31.....	25		
Ontonagon County.....	Nov. 1-Mar. 31.....	20		
Osceola County.....	Dec. 1-Mar. 31.....	16		
Oscoda County.....	Jan. 1-Feb. 28.....	7		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-Mar. 31.....	8		
Roscommon County.....	Jan. 1-31.....	6		
Saginaw County.....	Dec. 1-Feb. 28.....	109		
St. Clair County.....	Jan. 1-Mar. 31.....	22		
Sanilac County.....	Nov. 1-Mar. 31.....	7		
Shiawassee County.....	Dec. 1-Mar. 31.....	10		
Tuscola County.....	Feb. 1-Mar. 31.....	25		
Wayne County.....	Dec. 1-Feb. 28.....	8		
Total for State.....		1,331	1	
Minnesota:				
Anoka County.....	Feb. 1-28.....	5		
Becker County.....	Jan. 4-10.....	3		
Beltrami County.....	Dec. 21-Mar. 20.....	4		
Benton County.....	Dec. 14-20.....	7		
Blue Earth County.....	Dec. 21-27.....	1		
Carver County.....	Dec. 7-Jan. 3.....	4		
Chippewa County.....	Jan. 11-17.....	1		
Chisago County.....	Feb. 15-Apr. 3.....	8		
Cook County.....	Jan. 25-31.....	2		
Crow Wing County.....	Mar. 1-20.....	5		
Dakota County.....	Feb. 1-Mar. 20.....	9		
Dodge County.....	Jan. 25-31.....	1		
Faribault County.....	Feb. 8-Mar. 13.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Freeborn County.....	Jan. 18-Mar. 6.....	20		
Goodhue County.....	Dec. 28-Jan. 31.....	1		
Hennepin County.....	Dec. 28-Apr. 3.....	89		
Houston County.....	Feb. 8-14.....	4		
Hubbard County.....	Mar. 1-6.....	1		
Isanti County.....	Feb. 21-28.....	1		
Itasca County.....	Dec. 14-Feb. 28.....	2		
Kandiyohi County.....	Dec. 7-Apr. 3.....	3		
Koochiching County.....	Feb. 1-Mar. 6.....	2		
Lake County.....	Jan. 18-Mar. 13.....	9		
McLeod County.....	Mar. 7-13.....	1		
Martin County.....	Mar. 7-20.....	2		
Mower County.....	Dec. 28-Apr. 3.....	31		
Nicollet County.....	Feb. 15-Mar. 13.....	3		
Nobles County.....	Jan. 18-25.....	1		
Norman County.....	Jan. 18-Mar. 13.....	3		
Olmsted County.....	Feb. 8-Apr. 3.....	2		
Ottertail County.....	Dec. 21-Mar. 6.....	28		
Pine County.....	Feb. 22-28.....	1		
Polk County.....	Dec. 7-Mar. 6.....	2		
Ramsey County.....	Jan. 11-Mar. 20.....	15		
Red Lake County.....	Dec. 7-Mar. 20.....	6		
Renville County.....	Dec. 7-13.....	1		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Dec. 7-Feb. 21.....	22		
Roseau County.....	Dec. 7-Apr. 3.....	40		
St. Louis County.....	Dec. 7-Mar. 27.....	44		
Scott County.....	Mar. 21-27.....	1		
Sherburne County.....	Jan. 11-Mar. 27.....	2		
Sibley County.....	Dec. 28-Feb. 28.....	9		
Stearns County.....	Feb. 1-21.....	4		
Swift County.....	Feb. 8-Mar. 20.....	5		
Todd County.....	Dec. 28-Mar. 20.....	4		
Wabasha County.....	Dec. 13-Feb. 21.....	29		
Wadena County.....	Feb. 1-21.....	15		
Wilkin County.....	Feb. 15-21.....	1		
Watsonwan County.....	Dec. 28-Jan. 31.....	1		
Wright County.....	Dec. 7-Mar. 20.....	46		
Yellow Medicine County.....	Feb. 22-28.....	9		
Total for State.....		504		
Mississippi:				
Adams County—				
Natchez.....	Dec. 26-Feb. 26.....	90	2	
Claiborne County—				
Port Gibson.....	Dec. 19-25.....	1		
Coahoma County.....	Jan. 1-Apr. 1.....	80		
Harrison County—				
Biloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 26-Mar. 9.....	9		
Marshall County.....	Jan. 30-Mar. 5.....	4	1	
Holly Springs.....	Jan. 2-29.....	6		
Wilkinson County—				
Woodville.....	Feb. 27-Mar. 19.....	27	1	
Total for State.....		222	4	
Missouri:				
Andrew County.....	Jan. 23-Feb. 26.....	5		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-Feb. 19.....	16	1	
St. Joseph.....	Jan. 2-Feb. 5.....	7		
St. Louis.....	Dec. 26-Apr. 9.....	33		
Springfield.....	Jan. 1-31.....	4		
Total for State.....		66	1	
Montana:				
Beaverhead County.....	Dec. 1-Feb. 28.....	5		
Broadwater County.....	Feb. 1-28.....	2		
Carbon County.....	Jan. 1-31.....	1		
Chouteau County.....	Jan. 1-31.....	6		
Custer County.....	Feb. 1-28.....	1		
Dawson County.....	Nov. 1-Jan. 31.....	6		
Deerlodge County.....	Feb. 1-28.....	1		
Flathead County.....	Oct. 1-Nov. 30.....	6		
Gallatin County.....	Dec. 1-Feb. 28.....	3		
Jefferson County.....	Nov. 1-30.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Lewis and Clark County	Oct. 1-Feb. 28	31		
Madison County	Jan. 1-Feb. 28	2		
Meagher County	Feb. 1-28	2		
Missoula County	Oct. 1-Feb. 28	73		
Park County	Nov. 1-Jan. 31	14		
Powell County	Nov. 1-Feb. 28	2		
Ravalli County	Nov. 1-Feb. 28	5		
Sanders County	Jan. 1-Feb. 28	4		
Silverbow County	Oct. 1-Feb. 28	190		
Butte	Dec. 19-31	14		
Yellowstone County	Jan. 1-31	2		
Total for State		371		
Nebraska:				
Lincoln	Jan. 1-Feb. 28	5		
South Omaha	Dec. 5-11	3		
Total for State		8		
New Hampshire (entire State).				
	Jan. 1-Feb. 28	7		
New Jersey:				
Bergen County	Feb. 1-28	1		
Hudson County	Mar. 1-31	1		
Passaic County	Jan. 1-31	1		
Trenton	Jan. 30-Feb. 5	1		
Total for State		4		
New York (entire State).				
	Sept. 1-Nov. 30	33	1	
Cattaraugus County	Dec. 1-31	1		
Cayuga County	Dec. 1-31	1		
Erle County	Dec. 1-31	17		
Jefferson County	Dec. 1-31	1		
Lewis County	Dec. 1-Jan. 31	2		
Niagara County	Dec. 1-Jan. 31	40		
Oneida County	Dec. 1-Jan. 31	2		
St. Lawrence County	Jan. 1-31	9		
Ulster County	Jan. 1-31	2		
Westchester County	Jan. 1-31	1		
Total for State		109	1	
North Carolina:				
Alamance County	Jan. 1-Feb. 28	86		
Beaufort County	Jan. 1-Feb. 28	11		
Bertie County	Jan. 1-31	6		
Bladen County	Nov. 1-Jan. 31	21		
Burke County	Jan. 1-31	20		
Cabarrus County	Jan. 1-Feb. 28	15		
Caldwell County	Jan. 1-Feb. 28	31		
Carteret County	Jan. 1-Feb. 28	3		
Catawba County	Oct. 1-Feb. 28	62		
Chatham County	Jan. 1-31	2		
Chowan County	Oct. 1-Feb. 28	17		
Cleveland County	Oct. 1-Feb. 28	4		
Craven County	Nov. 1-Feb. 28	10		
Currituck County	Oct. 1-Feb. 28	5		
Davidson County	Oct. 1-Feb. 28	50		
Davie County	Jan. 1-Feb. 28	29		
Duplin County	Nov. 1-Feb. 28	24		
Durham County	Jan. 1-31	3		
Edgecombe County	Jan. 1-Feb. 28	24		
Forsyth County	Oct. 1-Feb. 28	101		
Franklin County	Oct. 1-Feb. 28	185		
Gaston County	Nov. 1-Feb. 28	26		
Greene County	Nov. 1-Feb. 28	50		
Guilford County	Nov. 1-Feb. 28	112		
Iredell County	Jan. 1-Feb. 28	5		
Johnston County	Nov. 1-Jan. 31	23		
Jones County	Oct. 1-Nov. 30	12		
Lee County	Feb. 1-28	3		
Lenoir County	Jan. 1-Feb. 28	37		
Lincoln County	Jan. 1-Feb. 28	8		
McDowell County	Nov. 1-Feb. 28	75		
Mecklenburg County	Nov. 1-Feb. 28	102	1	
Nash County	Jan. 1-Feb. 28	125		Nov. 1-30, many cases.
New Hanover County	Feb. 1-28	1		
Onslow County	Jan. 1-Feb. 28	7		
Orange County	Feb. 1-28	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Pamlico County.....	Feb. 1-28.....	40		Jan. 1-31, present.
Perquimans County.....	Jan. 1-31.....	4		
Pitt County.....	Jan. 1-Feb. 28.....	70		
Randolph County.....	Jan. 1-31.....	2		
Richmond County.....	Feb. 1-28.....	1		
Robeson County.....	Oct. 1-Feb. 28.....	19		
Rockingham County.....	Nov. 1-Feb. 28.....	50		
Rowan County.....	Nov. 1-Feb. 28.....	21		
Rutherford County.....	Nov. 1-Feb. 28.....	61		
Sampson County.....	Jan. 1-Feb. 28.....	3		
Stokes County.....	Jan. 1-Feb. 28.....	160		
Surry County.....	Oct. 1-Feb. 28.....	16		
Union County.....	Oct. 1-Feb. 28.....	66		
Wake County.....	Nov. 1-Feb. 28.....	61		
Washington County.....	Feb. 1-28.....	2		
Wayne County.....	Nov. 1-Feb. 28.....	28		
Wilkes County.....	Jan. 1-Feb. 28.....	39		
Wilson County.....	Nov. 1-Feb. 28.....	224		
Yadkin County.....	Oct. 1-Feb. 28.....	11		
Yancey County.....	Oct. 1-Feb. 28.....	35		
Total for State.....		2,210	1	
North Dakota:				
Barnes County.....	Mar. 1-31.....	2		
Billings County.....	Jan. 1-Mar. 31.....	15	1	
Bottineau County.....	Oct. 1-31.....	1		
Bowman County.....	Mar. 1-31.....	5		
Cass County.....	Dec. 1-Mar. 31.....	8		
Grand Forks County.....	Jan. 1-Mar. 31.....	3		
Griggs County.....	Mar. 1-31.....	1		
McLean County.....	Dec. 1-Jan. 31.....	4		
Nelson County.....	Feb. 1-Mar. 31.....	16		
Steele County.....	Feb. 1-Mar. 31.....	9		
Walsh County.....	Jan. 1-31.....	95		
Wells County.....	Mar. 1-31.....	23		
Williams County.....	Feb. 1-28.....	6		
Do.....	Mar. 1-31.....	1		
Total for State.....		189	1	
Ohio:				
Allen County.....	Jan. 1-Mar. 31.....	37		
Adams County.....	Jan. 1-31.....	1		
Auglaize County.....	Feb. 1-Mar. 31.....	19		
Belmont County.....	Jan. 1-Feb. 28.....	7		
Brown County.....	Jan. 1-Feb. 28.....	19		
Clark County.....	Mar. 1-31.....	1		
Clermont County.....	Jan. 1-31.....	1		
Cuyahoga County—				
Cleveland.....	Dec. 19-26.....	1		
Darke County.....	Jan. 1-31.....	3		
Franklin County.....	Jan. 1-Feb. 28.....	7		
Hamilton County.....	Jan. 1-Mar. 31.....	3		
Jackson County.....	Jan. 1-Feb. 28.....	36		
Knox County.....	Feb. 1-28.....	1		
Miami County.....	Jan. 1-Feb. 28.....	2		
Montgomery County.....	Jan. 1-Mar. 31.....	4		
Paulding County.....	Mar. 1-31.....	2		
Portage County.....	Feb. 1-Mar. 31.....	30		
Richland County.....	Mar. 1-31.....	1		
Ross County.....	Jan. 1-Mar. 31.....	17		
Scioto County.....	Feb. 1-Mar. 31.....	4		
Seneca County.....	Feb. 1-28.....	3		
Shelby County.....	Jan. 1-Feb. 28.....	7		
Van Wert County.....	Jan. 1-Mar. 31.....	37		
Wayne County.....	Jan. 1-31.....	1		
Williams County—				
Stryker.....	Dec. 19-25.....	1		
Wyandot County.....	Feb. 1-28.....	4		
Total for State.....		249		
Oklahoma, general:				
Beckham County.....	Jan. 1-Feb. 28.....	626	30	
Blaine County.....	Nov. 1-30.....	1		
Coal County.....	Dec. 1-31.....	7		
Comanche County.....	Aug. 1-Sept. 30.....	10		
Creek County.....	Nov. 1-30.....	1		
Garfield County.....	Oct. 1-Nov. 30.....	3		
Grant County.....	Nov. 1-30.....	1		
	Aug. 1-31.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Harmon County.....	Aug. 1-31.....	2	.....
Hughes County.....	Aug. 1-31.....	3	.....
Jackson County.....	Aug. 1-Nov. 30.....	19	.....
Kingfisher County.....	Oct. 1-31.....	2	.....
Le Flore County.....	Oct. 1-31.....	1	.....
Lincoln County.....	Aug. 1-31.....	3	.....
McIntosh County.....	Sept. 1-30.....	2	.....
Marshall County.....	Oct. 1-31.....	1	.....
Muskogee County.....	Oct. 1-31.....	1	.....
Okfuskee County.....	Oct. 1-31.....	1	.....
Oklahoma County.....	Aug., Sept., and Nov.....	14	1	
Osage County.....	Sept. 1-Oct. 31....	9	.....
Pawnee County.....	Aug. 1-31.....	1	.....
Pottawatomie County.....	Sept. 1-Nov. 30.....	41	.....
Pushmataha County.....	Sept. 1-30.....	1	.....
Seminole County.....	Oct. 1-Nov. 30.....	7	.....
Sequoyah County.....	Aug. 1-Sept. 30.....	2	.....
Tulsa County.....	Nov. 1-30.....	3	.....
Washington County.....	Nov. 1-30.....	1	.....
Woodward County.....	Nov. 1-30.....	1	.....
Total for State.....		765	31	
Oregon (entire State).....				
Portland.....	Sept. 1-Feb. 28....	118	.....
	Nov. 1-30.....	2	.....
Total for State.....		120	.....
Pennsylvania (entire State).....				
	Dec. 1-Feb. 28....	57	.....
South Carolina:				
Clover.....	Jan. 23-29.....	3	.....
Total for State.....		3	.....
Tennessee:				
Davidson County—				
Nashville.....	Feb. 20-Mar. 19....	4	.....
Dekalb County.....	Dec. 12-Jan. 26....	10	.....
Hamilton County—				
Chattanooga.....	Dec. 26-Apr. 2....	65	.....
Knox County—				
Knoxville.....	Jan. 2-Apr. 9.....	49	.....
Shelby County.....	Nov. 1-Jan. 31....	28	.....
Memphis.....	Nov. 1-Apr. 2....	186	.....
Washington County.....	Dec. 26-Feb. 5....	11	.....
Total for State.....		353	.....
Texas, general.....				
Amarillo.....	Jan. 1-Feb. 28....	1,276	.....
	Jan. 16-22.....	16	.....
Atascosa County.....	Jan. 31-Feb. 19....	6	.....
Denton County.....	Dec. 26-Feb. 27....	106	15	
El Paso.....	Nov. 1-Jan. 22....	5	1	
Fort Prairie.....	Apr. 1.....	.....	.....
Fort Worth.....	Nov. 1-Apr. 2....	108	6	
Galveston.....	Feb. 6-Mar. 19....	5	1	
Hale County.....	Jan. 9-15.....	7	.....
Normanna.....	Jan. 1-31.....	12	5	
Rockdale.....	Feb. 13-19.....	3	.....
San Antonio.....	Dec. 5-Apr. 2....	34	1	
Taylor.....	Feb. 27-Mar. 19....	2	.....
Waco.....	Jan. 1-Mar. 31....	17	.....
Walnut Springs.....	Jan. 12-18.....	2	.....
Wills Point.....	Jan. 1-Mar. 31....	6	2	
Total for State.....		1,605	31	
Utah:				
Boxelder County.....	Dec. 1-Feb. 28....	49	.....
Cache County.....	Dec. 1-Feb. 28....	22	.....
Carbon County.....	Dec. 1-Jan. 31....	6	.....
Davis County.....	Dec. 1-Feb. 28....	44	.....
Juab County.....	Jan. 1-Feb. 28....	20	.....
Plute County.....	Dec. 1-31.....	1	.....
Rich County.....	Jan. 1-Feb. 28....	2	.....
Salt Lake County.....	Dec. 1-Feb. 28....	90	.....
San Pete County.....	Dec. 1-Feb. 28....	10	.....
Sevier County.....	Dec. 1-Feb. 28....	8	.....
Summit County.....	Jan. 1-31.....	12	.....

Present.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah—Continued.				
Tooele County.....	Dec. 1-31.....	1		
Uintah County.....	Dec. 1-Feb. 28....	30		
Utah County.....	Dec. 1-Feb. 28....	87		
Wasatch County.....	Dec. 1-Feb. 28....	10	1	
Weber County.....	Dec. 1-Feb. 28....	36		
Total for State.....		428	1	
Virginia:				
Lynchburg.....	Jan. 30-Apr. 9....	52	1	
Petersburg.....	Dec. 26-Jan. 26....	2		
Portsmouth.....	Jan. 16-29.....	2		
Richmond.....	Dec. 1-Feb. 28....	7		
Total for State.....		63	1	
Washington:				
Asotin County.....	Jan. 1-31.....	1		
Chelan County.....	Feb. 1-28.....	1		
Columbia County.....	Feb. 1-28.....	4		
Cowlitz County.....	Feb. 1-28.....	2		
Franklin County.....	Jan. 1-31.....	2		
King County.....	Jan. 1-31.....	5		
Seattle.....	Jan. 2-31.....	7		
Kitsap County.....	Jan. 1-Feb. 28....	4	1	
Klickitat County.....	Jan. 1-31.....	15		
Lewis County.....	Jan. 1-31.....	2		
Lincoln County.....	Jan. 1-31.....	1		
Okanogan County.....	Feb. 1-28.....	2		
Pierce County.....	Jan. 1-31.....	1		
Tacoma.....	Jan. 2-Feb. 28....	4		
San Juan County.....	Jan. 1-31.....	1		
Skagit County.....	Jan. 1-Feb. 28....	31		
Spokane County.....	Jan. 1-31.....	2		
Spokane.....	Dec. 19-Feb. 28....	57		
Stevens County.....	Jan. 1-31.....	3		
Walla Walla County.....	Jan. 1-Feb. 28....	29		
Whatcom County—				
Bellingham.....	Feb. 1-28.....	3	1	
Wahkiakum County.....	Dec. 1-31.....	8		
Whitman County.....	Jan. 1-Feb. 28....	21		
Yakima County.....	Jan. 1-31.....	6		
Total for State.....		212	2	
West Virginia:				
Berkeley Springs.....	Dec. 27-Feb. 17....	6		
Wheeling.....	Jan. 30-Feb. 5....	1		
Total for State.....		7		
Wisconsin:				
Ashland County.....	Mar. 1-31.....	7		
Buffalo County.....	Feb. 1-Mar. 31....	5		
Chippewa County.....	Jan. 1-31.....	3		
Clark County.....	Jan. 1-Mar. 31....	16		
Crawford County.....	Feb. 1-Mar. 31....	17		
Dane County.....	Feb. 1-Mar. 31....	14		
Dodge County.....	Mar. 1-31.....	2		
Douglas County.....	Jan. 1-Mar. 31....	27		
Superior.....	Dec. 19-Jan. 1....	6		
Grant County.....	Feb. 1-28.....	1		
Jefferson County.....	Jan. 1-Feb. 28....	19		
Juneau County.....	Jan. 1-31.....	1		
La Crosse County.....	Jan. 1-Mar. 31....	20		
La Crosse.....	Dec. 19-Jan. 1....	2		
Langlade County.....	Jan. 1-Feb. 28....	3		
Manitowoc County.....	Mar. 1-31.....	7		
Milwaukee County.....	Jan. 1-Feb. 28....	19		
Milwaukee.....	Dec. 19-Jan. 1....	2		
Price County.....	Feb. 1-28.....	1		
Rock County.....	Mar. 1-31.....	2		
Walworth County.....	Feb. 1-28.....	1		
Winnebago County.....	Jan. 1-Mar. 31....	3		
Total for State.....		178		
Grand total for the United States.....		13,477	83	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Apr. 16	50,814	14	1								4			
Ann Arbor, Mich.	Apr. 9	14,711	6	3								1			
Ashtabula, Ohio.	Apr. 16	16,648	6												
Baltimore, Md.	do.	576,023	196	86	31	2	1	43	2	14		30		29	1
Bath, Me.	do.	12,055								1					
Bayonne, N. J.	do.	49,894				1		4		4		1			
Beaver Falls, Pa.	do.	10,341	0	1										4	
Berkeley, Cal.	Apr. 2	19,700	8	1	1			1		1		21		4	
Do.	Apr. 9		8									12		2	
Biddeford, Me.	Apr. 16	17,676	7	1	1										
Binghamton, N. Y.	do.	45,855	26		2	2		1		1		9			1
Birmingham, Ala.	do.	49,553	41	4	5							127	2		
Boston, Mass.	do.	622,970	238	55	31	10		17	3	48	3	156	2	8	
Brockton, Mass.	do.	53,978	19	9				11							
Butler, Pa.	Apr. 9	12,760	9					2	2	1		11			
Cambridge, Mass.	Apr. 16	101,872	32	11	12	2	2	1		10		10			
Cambridge, Ohio.	do.	11,733	4	1								31			
Camden, N. J.	do.	89,305	29					3		3	1	1			
Carbondale, Pa.	do.	15,698	7									3			
Charlotte, N. C.	do.	35,101	10			1		1				3	1		
Chattanooga, Tenn.	do.	34,654		1				1							
Chelsea, Mass.	do.	39,862	10		1	1				2					
Chicago, Ill.	do.	2,224,491	659	83	72	10	5	137	6	119	14	606	4	119	6
Chicopee, Mass.	do.	20,010	4	1						1		3			
Cincinnati, Ohio.	do.	351,212	134	31	24	3		10	1	6		184	7	1	
Clinton, Mass.	do.	12,656	3												
Columbus, Ga.	do.	17,893	9									5			
Concord, N. H.	Apr. 9	21,997	9		1							5			
Covington, Ky.	Apr. 16	51,715	14	1	1		1			1		6		1	
Danville, Ill.	do.	27,387	9					1				34	1		
Dayton, Ohio.	do.	108,688	40	6	6			3				2			
Detroit, Mich.	Apr. 9	384,855	172					32	3	14					
Do.	Apr. 16		156					31	1	19	2				
Duluth, Minn.	do.	74,520	16	4	2			28		2		8			
Dunkirk, N. Y.	do.	18,061	6	2						2	1	16		1	
Elizabeth, N. J.	do.	67,470	25		1			15		3		11		1	
Elmira, N. Y.	do.	35,765	10					1		1		1			
El Paso, Tex.	Apr. 9	22,911	33	4		1		1				30		8	
Erie, Pa.	Apr. 16	63,652	42	5		7	4	7		2		11			
Evansville, Ind.	do.	66,948	13	1	3					1		10			
Everett, Mass.	do.	32,931	6	4		2		4		1		1			
Fort Wayne, Ind.	Apr. 9	54,180	21	2	2	2		2		2		195	2		
Do.	Apr. 2		21	8	6			1		2		162			
Freeport, Ill.	Apr. 16	19,200	7		1	1				1		1			
Gloucester, Mass.	do.	25,923	7												
Grand Rapids, Mich.	do.	105,909	25	2	3	3				2		11		5	
Harrison, N. J.	do.	14,604	4					2		1					
Hartford, Conn.	Apr. 9	103,808	28	4	3			4		7	1	11			
Do.	Apr. 16		31	6	2	1	1	5				12			
Haverhill, Mass.	Apr. 10	38,354	18	5	5	1		2		10		7			
Hyde Park, Mass.	Apr. 16	15,522	5		1			1							
Jacksonville, Fla.	do.	40,798	23		7	1		3		1					
Johnstown, Pa.	do.	46,520	14	6	1			2		1		17	2	3	
Kansas City, Mo.	Mar. 12	686,369		1	4	17	4	27	4	6		221	1	2	
Do.	Mar. 19			2	6	6	2	27	2	13	3	228	2	2	
Do.	Mar. 26		87	2	6	7		20		10	1	238	1	4	
Do.	Apr. 2		103		10	4	6	21	1	9		193	4	3	
Do.	Apr. 9		81	1	7	10	2	17		5	1	97	3	1	
Kansas City, Kans.	Apr. 16	85,742	25	1	3	1		5		2	1	16			
Kingston, N. Y.	Apr. 9	26,110	8					1		5					
Knoxville, Tenn.	Apr. 16	37,758	10		2			1				1			
Reading, Pa.	Apr. 18	97,231	25		2	3		4		1		77		7	
La Crosse, Wis.	Apr. 16	29,224	12	1	1			1							
La Fayette, Ind.	do.	19,801	3		1							13			
Lancaster, Pa.	do.	49,962	15	1				5		2		31			
Lawrence, Mass.	do.	76,042	26	2	1	1		1		3		59			1
Lebanon, Pa.	do.	20,295	7	7		2		2				3			
Lexington, Ky.	do.	30,690	5		2							10		2	

* Estimated population 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909,	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Los Angeles, Cal.	Apr. 9	a 103,000	91	14	14	1	1	24	1	1	1	177	1		
Lowell, Mass.	Apr. 16	95,125	45	2	4	2	2	7	2	8	1	43	1		
Lynchburg, Va.	do.	29,457										4			
Lynn, Mass.	do.	83,865		3	2	5		6		1		12			
Madison, Ind.	do.		6			1						2			
Manchester, N. H.	do.	68,561	30	3	3	1				1		1			
Manistee, Mich.	do.	10,788								1		20		4	
Manitowoc, Wis.	do.	13,490	1	1		2		1							
Mansfield, Ohio	do.	21,300						25							
Medford, Mass.	do.	20,839	4					4				28			
Melrose, Mass.	Apr. 9	15,361	4	1	1			1		1		3			
Do.	Apr. 16		3					1		1					
Memphis, Tenn.	Apr. 9	136,363	50	5	5			8		5					
Do.	Apr. 16		63	20	9	1	7	7		2	1				
Milwaukee, Wis.	do.	332,495	106	19	10	29	4	37	2	21	2	86		17	1
Mobile, Ala.	Apr. 9	45,122	22		8										
Moline, Ill.	Apr. 16	23,081	3					1		2					
Montclair, N. J.	do.	18,296	10	1	4			12		1		11	1		
Montgomery, Ala.	do.	43,927	18		1									8	
Morristown, N. J.	do.	12,849	6	1		1						1			
Mount Vernon, N. Y.	do.	27,891	7					3				1			
Nanticoke, Pa.	Apr. 17		6							1					
Nashville, Tenn.	Apr. 16	106,476	34		4	4				1		7			
Nebraska City, Nebr.	do.		2		1							9			
Newark, N. J.	do.	308,669	102	22	18	1		51		20	1				1
New Bedford, Mass.	do.	83,898	6	3	2	1	5			7	1	42			
Newburyport, Mass.	do.	14,832	9	1								56	1		
New Orleans, La.	do.	327,662	159	36	21	6	2	31	1	8	1	168	2		1
Newport, Ky.	do.	31,345	10		3										
New York, N. Y.	do.	450,963	1,644	1,317	192	35	10	689	32	534	58	1,604	32	58	13
Niagara Falls, N. Y.	do.	32,012	7	1	1	4				1		18			
Norristown, Pa.	do.	24,491	10	1	1	1		2					2		
North Adams, Mass.	do.	20,510	12		1			1				1			
Northampton, Mass.	Apr. 18	21,008	3							1		3		3	
Oklahoma City, Okla.	Mar. 5	45,380	28	1	2	4	1	1				10	1	2	
Do.	Mar. 12		22	1	2	1		2		1		40		1	
Do.	Mar. 19		23		2			2		1		30	1	1	
Do.	Mar. 26		20		5	1		2		1		21			
Do.	Mar. 31		16	1	1	1		1		1		29			
Orange, N. J.	Apr. 16	27,669	10	2	2		1	6				6			
Palmer, Mass.	do.		3									1			
Peekskill, N. Y.	do.	15,473	10		1			5				3			
Philadelphia, Pa.	do.	1,491,082		79	65	17	7	35	2	94	9	100	1	38	3
Pittsburg, Pa.	Apr. 9	558,123	261	36	19	9		15	1	22	7	161	4	24	6
Do.	Apr. 16		217	41	14	12	4	24	2	13	2	196	6	18	5
Pittsfield, Mass.	Apr. 9	27,589		3				1				2		2	
Do.	Apr. 16		4					2				1			
Plainfield, N. J.	do.	20,947	8	2	2			4		1					
Plymouth, Pa.	do.	17,524						4		2		2			
Portsmouth, N. H.	do.	11,336	0												
Portsmouth, Va.	do.	19,225	9							2		21			
Pottstown, Pa.	do.	14,065	3									21			
Providence, R. I.	do.	217,065	85	20	10	1		14		12	1	4	2	1	1
Rock Island, Ill.	do.	24,766	9		2	1	2		2						
Sacramento, Cal.	Apr. 9	31,889	12		1							9			
St. Louis, Mo.	Apr. 16	686,369	202	47	18	1	1	86	4	32	2	63		30	2
San Antonio, Tex.	Apr. 11	67,404	5		5	2				1		1			
Do.	Apr. 16		11		11	1				2		7			
Sandusky, Ohio	Apr. 9	20,737	5			1									
Do.	Apr. 16		1												
San Francisco, Cal.	Apr. 9	a 342,782	134	35	22	5	1	15		15		55	1	10	
Saratoga Springs, N. Y.	do.	13,471	2	1				1				42			
Schenectady, N. Y.	Apr. 16	73,037	16	5	2			4		2		7			
Seattle, Wash.	Apr. 9	104,169	37	5	2	2		8		2		35			
Somerville, Mass.	Apr. 16	75,375	26	3	3			5		5		3			
South Bend, Ind.	do.	49,321	11	2	1	11	1	4		1		1			
South Bethlehem, Pa.	do.	15,886	9			1				1		12			
South Omaha, Nebr.	Apr. 9	42,146	0												
Do.	Apr. 16							1							
Spokane, Wash.	Apr. 9	a 47,006	27		1		1	3		3		17			

a Estimated population 1906.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Esti- mated popula- tion. 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Springfield, Mass.	Apr. 16	82,724	12	2	1			3	1	3		18		1	
Steelton, Pa.	do.	14,769	3	5	1			1		6		1		3	1
Superior, Wis.	do.	40,919	7				1	5		3	1				
Taunton, Mass.	do.	30,926	16	1	1			3		1					
Terre Haute, Ind.	do.	55,509	22		3			3	1			173	1	1	1
Titusville, Pa.	do.	8,397	3			1		6				1			
Topeka, Kans.	Apr. 9	44,757	1					1						9	
Do.	Apr. 16		1							2	1				
Trenton, N. J.	do.	92,878	10	8	9	2		20		4	1				
Utica, N. Y.	do.	69,458	36	2	3			1		1		8			
Waltham, Mass.	do.	28,522	9	1	1			1		1		3			
Warren, Pa.	Apr. 11	11,838	3	2	1					2		34		2	
Washington, D. C.	Apr. 16	322,212	126	30	19	7		19	1	8	1	5		22	1
West Newton, Mass.	do.	39,419	13		1					1		2			
Wichita, Kans.	do.	39,612	16	1	2			3		1		17	1		
Wilkes-Barre, Pa.	Apr. 9	64,323	25	7		1		3		2		4		10	
Do.	Apr. 16		25	4	1			4		4			1	2	
Wilkesburg, Pa.	do.	19,999	10		1							12		2	
Williamsport, Pa.	do.	30,220	5	2	1	1		4	1	2		38			
Wilmington, Del.	do.	88,980	30		2						1				
Woburn, Mass.	do.	14,520	3	2								6			
Worcester, Mass.	Apr. 9	135,906	49	14	2	1		3		7		21		9	
Do.	Apr. 16		62	11	6			3		6	1	29		2	
York, Pa.	do.	41,895		1				1		1	1	5	1	3	
Zanesville, Ohio.	do.	25,614	13			26	1								

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

CALIFORNIA.—*San Diego*.—Month of March, 1910. Population 45,000. Total number of deaths from all causes 62, including tuberculosis 11. Cases reported: Measles 32, scarlet fever 1, tuberculosis 3.

CONNECTICUT.—Month of March, 1910. Population of reporting towns 1,048,722. Total number of deaths from all causes 1,619, including typhoid fever 7, measles 14, scarlet fever 13, diphtheria 29, tuberculosis (pulmonary) 139. Cases reported: Typhoid fever 20 in 12 towns, measles 376 in 46 towns, scarlet fever 489 in 71 towns, diphtheria 211 in 47 towns, tuberculosis (pulmonary) 156 in 48 towns.

FLORIDA.—Week ended April 16. Reports from the state board of health show smallpox present in 1 county with 1 case, typhoid fever in 3 localities with 3 cases, diphtheria in 1 locality with 1 case, tuberculosis in 5 localities with 12 cases.

INDIANA.—Month of February, 1910. Population, 2,732,550. Total number of deaths from all causes 2,856, including typhoid fever 34, smallpox 1, diphtheria 17, tuberculosis 387. Cases reported: Typhoid fever 110 in 36 counties, smallpox 83 in 23 counties, diphtheria 110 in 44 counties.

MINNESOTA.—*St. Paul*.—Month of February, 1910. Population, 235,000. Total number of deaths from all causes 175, including

typhoid fever 3, measles 4, scarlet fever 13, diphtheria 7, tuberculosis 20. Cases reported: Smallpox 7, measles 585, scarlet fever 152, diphtheria 82.

NEW YORK—*Auburn*.—Month of March, 1910. Population, 38,500. Total number of deaths from all causes 42, including typhoid fever 1, scarlet fever 3, tuberculosis 2. Cases reported: Typhoid fever 2 (imported 1), measles 3, scarlet fever 18, diphtheria 1, tuberculosis 3.

UTAH—*Salt Lake City*.—Month of March, 1910. Population, 85,000. Total number of deaths from all causes 85, including typhoid fever 2, scarlet fever 3, diphtheria 1, tuberculosis 6. Cases reported: Typhoid fever 5, smallpox 36, measles 12, scarlet fever 121, diphtheria 10, tuberculosis 1 (incomplete).

FOREIGN AND INSULAR.

CHINA.

AMOY—Smallpox—Inspection and Fumigation of Vessels.

Acting Assistant Surgeon Moorhead reports, March 17:

Week ended March 12. Three deaths from smallpox were reported in the international settlement of Kulangsu.

March 10 the steamship *Ying Chow* was fumigated with sulphur dioxide before loading cargo for Manila. Five dead rats were found the following day. The vessel anchored in stream. March 11 the crew of the *Ying Chow*, 53 in number, and 34 cabin and 149 steerage passengers were vaccinated. The crew and steerage passengers were bathed and their clothing was disinfected. Manifests were viséed for 1,883 pieces of freight. On the same date the steamship *Taisang*, with a crew of 64 Chinese and 34 cabin and 93 steerage passengers, was granted a supplemental bill of health. The crew and steerage passengers were bathed and their clothing was disinfected with steam. All passengers were vaccinated. Inspection of crew and passengers was made at time of sailing. Manifests were viséed for 5,236 pieces of freight. The *Taisang* had been fumigated with sulphur March 9, previous to taking on cargo for Manila. One dead rat was found. The vessel anchored in stream.

HONGKONG—Smallpox—Inspection of Vessels.

Passed Assistant Surgeon Foster reports, March 17:

Week ended March 12. Restrictions enforced by and against Hongkong remain as reported March 5.

One case of smallpox with 1 death was reported during the week.

INSPECTION AND DISINFECTION OF VESSELS.

Week ended March 5.

Vessels granted bills of health.....	8
Total members of crews.....	602
Total cabin passengers.....	178
Total steerage passengers.....	164
Members of crew bathed.....	428
Steerage passengers bathed.....	163
Pieces of baggage disinfected.....	594
Vessels disinfected to kill rats.....	0
Crews' quarters disinfected:	
With formaldehyde.....	6
With sulphur.....	0

CUBA.

CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, April 12:

Week ended April 9. Vessels inspected, 7. Bills of health issued, 7. Members of crews of outgoing vessels inspected, 186. Passengers inspected, 4. No quarantinable disease was reported.

HABANA—Inspection of Vessels—Status of Leprosy in Cuba.

Passed Assistant Surgeon de Valin reports, April 19:

Week ended April 16. Bills of health issued, 22. Vessels inspected and passed, 17. Members of crews of outgoing vessels inspected, 764. Passengers of outgoing vessels inspected, 659. No quarantinable diseases reported.

The national department of sanitation reports for the month of February, 1910, 4 cases of leprosy with 2 deaths and 325 cases remaining under treatment in the island of Cuba.

MATANZAS—Inspection of Vessels—Mosquitoes.

Acting Assistant Surgeon Nuñez reports, April 18:

Week ended April 16. Bills of health issued to 6 vessels bound for the United States.

The department of sanitation reports the inspection of 3,764 houses from April 1 to 10. The number of mosquitoes is greatly increasing. No quarantinable disease is reported.

SANTIAGO—Inspection of Vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, April 14:

Week ended April 9. Bills of health granted to 4 vessels bound for the United States.

The department of sanitation reports 2,529 houses inspected during the week. One new case of leprosy was reported, making 3 cases now under observation.

HAWAII.

The last case of human plague at Honolulu occurred July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 13, 1910.

At Hilo the last case of human plague occurred March 23, 1910, the last plague-infected rat, March 26, 1910.

Passed Assistant Surgeon Ramus reports, April 4, 1910.

HONOLULU—Plague-prevention Work.

Week ended April 2, 1910.

Total rats taken.....	478
Trapped.....	450
Found dead (mus norvegicus 1, mus musculus 1).....	2
Killed by sulphur dioxide.....	26
Examined bacteriologically.....	353
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus.....	58
Mus musculus.....	170
Mus norvegicus.....	26
Mus rattus.....	196
Classification of rats killed by sulphur dioxide:	
Mus alexandrinus.....	12
Mus rattus.....	14
Average number of traps set daily.....	1,338

INDIA.**CALCUTTA—Cholera, Plague, and Smallpox.**

Acting Assistant Surgeon Allan reports, March 24:

Week ended March 12. At Calcutta there were 80 deaths from cholera, 4 from smallpox, and 27 from plague; in all Bengal, 3,703 cases of plague with 3,086 deaths; in all India, 24,539 cases of plague with 20,928 deaths.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, April 4:

Vessels inspected at Naples and Palermo week ended April 2, 1910.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 29	Madonna.....	New York.....	1,175	70	1,550
30	Cretic.....	do.....	1,420	126	1,680
30	San Giovanni.....	do.....	765	30	820
30	Duca d'Aosta.....	do.....	755	60	1,150
31	Ancona.....	Philadelphia.....	2,035	115	2,680
31	Indiana.....	New York.....	1,150	50	1,250
Apr. 1	Tortona.....	Portland, Me.....	428	10	72
1	Berlin.....	New York.....	1,845	130	2,350
	Total.....		9,573	591	11,552

PALERMO.

Mar. 31	San Giovanni.....	New York.....	890	1,500	500
31	Duca d'Aosta.....	do.....	556	700	350
	Total.....		1,446	2,200	850

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Mar. 29	Madonna.....	24	6	15	11	56
30	Cretic.....	23	2	6	4	35
30	San Giovanni.....	30	2	15	5	52
30	Duca d'Aosta.....	17	4	8		29
31	Ancona.....	78	7	39	4	128
31	Indiana.....	38	1	11	2	52
Apr. 1	Tortona.....	31	2	25	10	68
1	Berlin.....	37	3	19	10	69
	Total.....	278	27	138	46	489

PALERMO.

Mar. 31	San Giovanni.....	46		40	8	94
31	Duca d'Aosta.....	25		18	5	48
	Total.....	71		58	13	142

Smallpox in Naples.—During the week ended April 3, 7 cases of smallpox with 2 deaths were reported at the health office of the city of Naples.

JAPAN.

YOKOHAMA—Inspection of Vessels—Smallpox on Vessel—Rinderpest.

Surgeon Irwin reports, March 29:

Week ended March 26. Bills of health were issued to the following-named vessels: Steamships *Fitzpatrick* for Tacoma, *China* for San

Francisco, *Kumeric* for Seattle, *Seattle Maru* for Manila, and *Mongolia* for Manila. These vessels carried an aggregate of 203 cabin passengers, 525 steerage passengers, and 638 in crews.

A case of smallpox was found March 22 on the steamship *Ferd Laeisz*, which reached Yokohama March 18 from Hamburg via ports. The patient was a Chinese fireman. The vessel was sent to Nagahama, where it will remain in quarantine for a week.

Since the outbreak of rinderpest in the suburbs of Tokio March 11, the disease has spread to the surrounding country where it is present in epidemic form. To March 27, 987 head of cattle had been killed.

KOBE—Inspection of Vessels.

Acting Assistant Surgeon Smith reports, March 24 and 30:

Week ended March 19. Supplemental bills of health granted to 6 vessels. Members of crews inspected, 728, and steerage passengers, 710. Members of crews bathed 77, and steerage passengers 282; effects disinfected. Pieces of baggage steamed 953, and bedding 564. Manifests viséed for 59,764 pieces of freight, amounting to 4,824 tons. Ten cases of human hair and 1 case of personal effects were disinfected with formalin. Emigrants inspected and passed as follows: Per steamship *Siberia* for Honolulu, 244 (216 Russians included); for San Francisco, 3. Per steamship *China* for Honolulu, 33 (22 Russians included); for San Francisco, 2. The emigrants passed for Honolulu were bathed and their effects were disinfected before embarkation. All were in Ono detention station 7 days.

Week ended March 26. Supplemental bills of health granted to 2 steamships and 1 original bill to 1 steamship. Members of crews inspected 422, and steerage passengers 2. Members of crews bathed, 58; effects disinfected. Manifests viséed for 38,442 pieces of freight, amounting to 3,530 tons. Forty-five cases of human hair were disinfected with formalin. One vessel was fumigated to kill vermin and the forecastle washed down with antiseptic solution.

JAVA.

BATAVIA—Cholera at Samarang.

Consul Rairden reports, March 7 and April 9:

During the month of February 216 cases of cholera occurred at the port of Samarang. For the week ended March 5, 30 cases with 20 deaths were reported. The cholera outbreak has been confined to natives and Chinese.

MEXICO.

Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington, October 9–14, 1905, the president of the Superior Board of Health of Mexico reports, April 18, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended April 16, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

COATZACOALCOS—Inspection and Fumigation of Vessels.

Acting Assistant Surgeon Thompson reports, April 14:

Week ended April 13. Vessels inspected: April 9, steamships *Lewis Luckenbach* for Delaware breakwater; April 12, steamships *Norheim* for Texas City via Veracruz and Tampico and *Cayo Bonito* for Galveston via Veracruz and Tampico. Vessels inspected and fumigated: April 9, steamships *Frankenwald* for Norfolk and *Conway* for Newport News.

PHILIPPINE ISLANDS.

MANILA—Cholera and Smallpox—Inspection of Vessels.

Chief Quarantine Officer Heiser reports, March 9 and 15:

Week ended March 5. In the city of Manila 22 cases of cholera were reported. Week ended March 12. One case of cholera with 1 death and 5 cases of smallpox were reported.

Cholera in the provinces.

WEEK ENDED MARCH 5.

Provinces.	Cases.	Deaths.
Cavite.....		1
Pampanga.....	25	17
Total.....	25	18

WEEK ENDED MARCH 12.

Pampanga.....	3	1
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Inspection of vessels.—On March 3, the Japanese steamship *Tacoma Maru*, with 80 in crew and 2 cabin passengers, granted a bill of health for Tacoma via Hongkong and Japan ports. Cargo taken on at this port inspected and passed prior to loading, and manifests for same signed. Crew inspected at hour of sailing. March 7, the United States Army transport *Dix*, with 193 in crew, granted a bill of health for Seattle via Overton, Zamboanga, Jolo, Miike, and Honolulu. Cargo taken on at this port inspected and passed during loading. Personnel inspected at hour of sailing. On March 7, the British steamship *Kumeric*, with 73 in crew, granted a bill of health for Seattle via Hongkong and Japan ports. Cargo inspected and passed, and manifests viséed. Entire personnel inspected and passed before sailing. March 10, the British steamship *Saint Patrick*, with 46 in crew, en route from Yokohama to Boston, New York via Cebu, granted a supplemental bill of health. Cargo as loaded at this port inspected and passed, and manifests signed.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended April 29, 1910.

These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Colombo:				
Ceylon.....	Mar. 6-12.....	1		
India:				
Calcutta.....	Mar. 6-12.....		80	
Madras.....	Mar. 12-18.....		1	
Negapatam.....	Feb. 19-25.....		2	
Rangoon.....	Mar. 6-12.....		1	
Java:				
Batavia.....	Mar. 6-12.....	1		
Philippine Islands:				
Manila.....	Feb. 28-Mar. 12.....	23	1	
Provinces—				
Cavite.....	Feb. 28-Mar. 5.....		1	
Pampanga.....	Feb. 28-Mar. 12.....	28	18	

YELLOW FEVER.

Venezuela:				
La Guaira.....	Mar. 27-Apr. 2.....	2	1	

PLAGUE.

Brazil:				
Bahia.....	Feb. 19-Mar. 11....	3	3	
Egypt:				
Alexandria.....	Mar. 13-25.....	2		
Provinces—				
Assiout.....	Mar. 19-25.....	1		
Galloobeh.....	Mar. 19-25.....	1	1	
Fayoum.....	Mar. 16-25.....	2	1	
Minieh.....	Mar. 19-25.....		1	
India:				
Bombay.....	Mar. 16-22.....		203	
Calcutta.....	Mar. 6-12.....		27	
Kurrachee.....	Mar. 13-19.....	64	59	
Rangoon.....	Mar. 6-12.....		15	
Japan:				
Formosa.....	Mar. 13-19.....	1	1	
Peru:				
Lambayeque department—				
Pacasmayo.....	Mar. 19.....			Present.
Russia:				
Bodai.....	Feb. 14-Mar. 1....	23	21	Including 9 cases previously reported.
Novaia-Kazanka.....	Feb. 20-Mar. 3....	13	11	
Turkey in Asia:				
Jiddah.....	Mar. 29-Apr. 3....	18	18	

SMALLPOX.

Argentina:				
Buenos Aires.....	Jan. 1-31.....		73	
Austria:				
Bohemia.....	Mar. 27-Apr. 2....	2		
Galicia.....	Mar. 20-26.....	2		
Brazil:				
Bahia.....	Feb. 19-Mar. 11....	94	64	
Canada:				
British Columbia—				
Vancouver.....	Mar. 1-31.....	4		
Ontario—				
Hamilton.....	Apr. 10-16.....	1		
Nova Scotia—				
Halifax.....	Apr. 10-16.....	2		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended April 29, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Mar. 6-12.....		3	
Canton.....	Feb. 20-Mar. 19....	40	8	Epidemic.
Chang-Chiu.....	Feb. 26.....		1	
Hongkong.....	Feb. 27-Mar. 12....	2	1	
Shanghai.....	Mar. 14-27.....	2	14	Deaths among natives.
France:				
Paris.....	Mar. 27-Apr. 2....	9	1	
Great Britain:				
Liverpool.....	Apr. 3-9.....	1		
Greece:				
Athens.....	Mar. 12-19.....		1	
India:				
Bombay.....	Mar. 16-22.....		78	
Calcutta.....	Mar. 6-12.....		4	
Kurrachee.....	Mar. 13-19.....	1		
Madras.....	Mar. 12-18.....		1	
Rangoon.....	Mar. 6-12.....		25	
Italy, general.....	Mar. 28-Apr. 3....	33		
Naples.....	Mar. 27-Apr. 3....	7	2	
Japan:				
Formosa.....	Mar. 6-19.....	16	3	
Yokohama.....	Mar. 22.....			One case on s. s. Ferd. Lacisz from Hamburg.
Korea:				
Fusan.....	Feb. 28-Mar. 12....	2	1	
Mexico:				
Aguaascalientes.....	Mar. 3-16.....		12	
Mexico.....	Mar. 6-12.....		3	
Monterey.....	Apr. 4-10.....		2	
Newfoundland:				
St. Johns.....	Apr. 3-9.....	1		
Philippine Islands:				
Manila.....	Mar. 6-12.....	5		
Portugal:				
Lisbon.....	Mar. 27-Apr. 2....	24		
Russia:				
Libau.....	Mar. 28-Apr. 3....	6		
Moscow.....	Mar. 13-26.....	51	20	
Riga.....	Mar. 29-Apr. 2....	4		
St. Petersburg.....	Mar. 20-26.....	37	8	
Warsaw.....	Jan. 30-Feb. 5....		10	
Spain:				
Almeria.....	Feb. 1-28.....		3	
Barcelona.....	Mar. 29-Apr. 4....		2	
Valencia.....	Mar. 28-Apr. 2....	7		
Straits Settlements:				
Singapore.....	Mar. 6-12.....		3	

Reports Received from January 1 to April 22, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Feb. 13-19.....	5		
Germany:				
Heydekrug.....	Nov. 19-Dec. 4....	2		
Niedrung.....	Nov. 16-22.....	1		
India:				
Bombay.....	Nov. 24-Mar. 8....		22	
Calcutta.....	Nov. 14-Mar. 5....		585	
Madras.....	Jan. 1-Feb. 4....		2	
Moulmine.....	Jan. 22-Feb. 4....		13	
Negapatam.....	Jan. 30-Feb. 17....		14	
Rangoon.....	Nov. 14-Mar. 5....		46	
Java:				
Batavia.....	Nov. 14-Mar. 5....	388	111	
Samarang.....	Feb. 20-Mar. 5....	50	35	Feb. 1-28, 216 cases.
Norway:				
Friedershalld.....	Dec. 31-Jan. 3....	1	1	From a vessel from Riga.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 22, 1910.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia:				
Astara.....	Dec. 1-15.....	36	22	
Philippine Islands:				
Manila.....	Nov. 7-Feb. 19.....	111	97	Third quarter, 1909. Cases, 82; deaths, 61.
Provinces.....				Third quarter, 1909. Cases 3,946; deaths 2,609.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-Feb. 26.....	216	156	
Bohol.....	Nov. 7-Feb. 26.....	50	32	
Bulacan.....	Nov. 7-Jan. 1.....	32	27	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18.....	3	2	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cavite.....	Nov. 7-Feb. 19.....	107	78	Nov. 20, 1 case on s. s. Yapticio.
Cebu.....	Nov. 7-Feb. 12.....	333	251	
Laguna.....	Dec. 19-25.....	4	4	
Leyte.....	Nov. 21-Jan. 15.....	36	32	
Misamis.....	Jan. 16-Feb. 19.....	42	40	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-Feb. 26.....	229	75	
Rizal.....	Nov. 7-Jan. 22.....	11	7	
Tarlac.....	Nov. 7-13.....	9	5	
Russia, general.....	Nov. 21-Jan. 29.....	440	203	
Baku, government.....	Nov. 21-Dec. 25.....	22	22	
Baku.....	Nov. 21-Jan. 15.....	27	17	
Don, territory.....	Nov. 28-Jan. 29.....	19	12	
Ekaterinslav, government.....	Nov. 21-Jan. 1.....	23	7	
Jaroslav, government.....	Nov. 21-27.....	1	1	
Kaluga.....	Dec. 26-Jan. 1.....	1	1	
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11.....	6	6	
Moscow, government—				
Moscow.....	Nov. 29-Jan. 22.....	256	115	
Novotscherkask.....	Mar. 18.....	2	2	
Pskov, government.....	Nov. 21-27.....	10	12	
St. Petersburg, government.....	Nov. 21-Dec. 18.....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1.....	53	12	
Taurida, government.....	Nov. 21-Dec. 25.....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2	2	
Siam:				
Bangkok.....	Oct. 28-Feb. 28.....	15	15	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1	1	
Straits Settlements:				
Singapore.....	Dec. 19-Jan. 15.....	4	4	
Sumatra:				
Palembang.....	Sept. 20-Oct. 20.....	936	675	
Turkey in Asia:				
Trebizond.....	Nov. 28.....	1	1	On a vessel from Batum.

YELLOW FEVER.

Brazil:				
Manaos.....	Nov. 21-Mar. 26.....	64	64	
Para.....	Nov. 28-Apr. 2.....	123	97	
Ecuador:				
Babahoyo.....	Jan. 1-Mar. 15.....	5	1	
Guyaquil.....	Dec. 1-Mar. 15.....	155	50	
Peru:				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo.....	Dec. 20.....	1	1	
Panama:				
Canal Zone—				
Ancon.....	Jan. 24.....	1	1	At Ancon hospital, from s. s. Barbadian.
Culebra Island.....	Mar. 1-8.....	1	1	At Culebra quarantine station, from s. s. Huallago.
Trinidad:				
Port of Spain.....	Nov. 28-Dec. 4.....	1	1	
Venezuela:				
La Guaira.....	Mar. 1-Apr. 1.....	4	3	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 22, 1910.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Aden.....	Jan. 21-23.....	1	1	From an Austrian mail steamer from Bombay.
Brazil:				
Bahia.....	Nov. 20-Feb. 18....	55	29	
Para.....	Nov. 28-Feb. 19....	12	9	
Pernambuco.....	Oct. 15-Feb. 15....	.....	24	
Rio de Janeiro.....	Nov. 2-Jan. 23....	16	2	
Santos.....	Nov. 1-Dec. 29....	5	3	One case from bark Amazone Dec. 1. Feb. 2 present.
Chile:				
Antofagasta.....	Mar. 19.....	4	.....	In the lazaretto.
Iquique.....	Feb. 12-Mar. 20....	.....	.....	Epidemic.
Taltal.....	Jan. 15.....	2	1	
China:				
Amoy.....	Apr. 15.....	.....	.....	Present.
Hankow.....	Nov. 27-Dec. 7....	20	20	Feb. 1 again present.
Hongkong.....	Nov. 21-27.....	1	1	
Ecuador:				
Babahoyo.....	Dec. 16-Feb. 15....	18	6	
Guayaquil.....	Dec. 1-Mar. 15....	237	91	
Milagro.....	Jan. 1-Mar. 15....	23	7	
Egypt:				
Alexandria.....	Nov. 19-Mar. 18....	7	4	
Port Said.....	Nov. 30-Dec. 22....	2	1	
Provinces—				
Assiout.....	Sept. 29-Mar. 18....	79	28	
Beherah.....	Dec. 8-14.....	1	.....
Beni Souef.....	Dec. 16-Mar. 18....	31	10	
Fayoum.....	Jan. 20-Mar. 15....	17	12	
Galiobeh.....	Jan. 11-Mar. 18....	13	6	
Garbieh.....	Feb. 2-Mar. 18....	14	11	
Girzeh.....	Dec. 19-26.....	2	1	
Ghizeh.....	Dec. 19-Jan. 2....	2	2	
Kena.....	Feb. 3-20.....	2	2	
Menouf.....	Nov. 28-Dec. 15....	17	6	
Minieh.....	Dec. 21-Mar. 18....	45	24	
German East Africa:				
Mpwapwa.....	Sept. 19-Oct. 5....	7	.....
Hawaii:				
Hilo.....	Mar. 12-22.....	4	4	
Honokaa.....	Mar. 14-15.....	2	2	
India:				
Bombay.....	Dec. 27-Mar. 15....	.....	544	
Calcutta.....	Nov. 20-Feb. 26....	.....	132	
Kurrachee.....	Dec. 19-Mar. 12....	534	524	
Rangoon.....	Nov. 13-Mar. 5....	.....	43	
Bombay Presidency and Sind.....	Nov. 7-Jan. 22....	11,137	7,821	
Madras Presidency.....	Nov. 7-Jan. 22....	1,011	705	
Bengal.....	Nov. 7-Jan. 22....	8,109	6,509	
United provinces.....	Nov. 7-Jan. 22....	36,037	33,019	
Punjab.....	Nov. 7-Jan. 22....	14,277	11,704	
Burma.....	Nov. 7-Jan. 22....	898	766	
Central provinces, including Berar.....	Nov. 7-Jan. 22....	10,322	8,355	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Jan. 22....	1,388	1,020	
Hyderabad State.....	Nov. 7-Jan. 22....	155	126	
Central India.....	Nov. 7-Jan. 22....	850	638	
Rajputana and Ajmer-Merwara.....	Nov. 7-Jan. 22....	4,157	3,674	
Kashmir.....	Nov. 7-Jan. 22....	165	110	
Grand total.....		88,511	74,448	
Indo-China:				
Saigon.....	Nov. 7-Dec. 25....	5	4	
Japan:				
Kobe.....	Nov. 28-Mar. 12....	26	21	
Shikoku Island.....	Jan. 30-Feb. 5....	1	.....
Paraguay.....	Dec. 10.....	.....	30	In the northern part.
Peru:				
Arequipa, department.....	Dec. 10-16.....	1	.....
Mollendo.....	Dec. 20-Mar. 17....	14	5	
Callao department—				
Callao.....	Jan. 17-Feb. 7....	5	.....
Lambayeque, department.....	Oct. 1-Dec. 16....	39	13	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 22, 1910,

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Libertad, department.....	Nov. 19-Dec. 16....	32	3	
Lima, department.....	Oct. 22-Dec. 16....	10	6	
Lima.....	Feb. 11-25.....	1		In lazaretto from S. S. Ammon.
Pisco.....	Feb. 19.....	1		From S. S. Ammon.
Mauritius.....	Dec. 18-Jan. 27....	120	70	
Russia:				
Astrakan, government.....	Dec. 5-Feb. 27....	134	120	
Naurzali-Tchagil.....	Jan. 17-Feb. 2....	26	26	
Beiskulak.....	Dec. 10-16.....	18	16	
Bodal.....	Mar. 1.....	9		
Dshedda.....	Jan. 7.....			Present.
Libau.....	Dec. 3-Mar. 18....	4	4	
Uralsk, district.....	Nov. 25-Jan. 12....	208	202	
Siam:				
Bangkok.....	Oct. 28-Feb. 28....	34	30	
Phrapatom.....	Feb. 15.....			Epidemic.
Straits Settlements:				
Singapore.....	Dec. 25-Jan. 1....	2	2	
Turkey in Asia:				
Beirut.....	Nov. 29-Dec. 14....	3		
Jiddah.....	Jan. 5-Mar. 27....	47	45	
Venezuela:				
Puerto Cabello.....	Feb. 24.....	2		
Zanzibar.....	Nov. 9-17.....	2	2	

SMALLPOX.

Abyssinia:				
Adis Ababa.....	Feb. 19-26.....			Epidemic.
Arabia:				
Aden.....	Feb. 15-21.....		1	
Algeria, general.....	Dec. 1-15.....	22		
Algiers.....	Nov. 1-Jan. 31....		3	
Bona.....	Dec. 1-Feb. 28....	12	9	
Argentina:				
Buenos Aires.....	Oct. 1-Dec. 31....		85	
Rosario.....	Dec. 1-31.....		1	
Austria:				
Bohemia.....	Feb. 20-Mar. 19....	2		
Galicia.....	Jan. 1-Mar. 19....	14		
Vienna.....	Jan. 9-29.....	2		
Brazil:				
Bahia.....	Nov. 20-Feb. 18....	292	195	
Para.....	Jan. 31-Mar. 5....	1		
Pernambuco.....	Oct. 16-Feb. 15....		355	
Rio de Janeiro.....	Nov. 2-Feb. 27....	25	1	
Sao Paulo.....	Nov. 1-21.....		2	
Canada:				
British Columbia—				
Vancouver.....	Jan. 1-31.....	3		
Nova Scotia—				
Halifax.....	Dec. 19-Apr. 9....	9		
Windsor.....	Dec. 1-Jan. 31....	40		
Ontario—				
Port Arthur.....	Mar. 11-19.....	5		
Ceylon:				
Colombo.....	Feb. 6-Mar. 5....	7		
Chile:				
Antofagasta.....	Jan. 1.....			Present. Feb. 12, 8 cases in lazaretto.
Quillota.....	Nov. 28-Dec. 4....			Present.
Valparaiso.....	Nov. 20-Jan. 1....			Do.
China:				
Amoy, Kulangsu.....	Nov. 28-Mar. 5....		12	
Canton.....	Dec. 12-Feb. 23....	105	9	
Chang Cheun.....	Dec. 11.....			Do.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Jan. 2-Feb. 19....	2	1	Dec. 19-Feb. 26, present among natives.
Hongkong.....	Feb. 5-26.....	12	4	
Shanghai.....	Nov. 1-Mar. 13....	6	28	Deaths among natives.
Swatow.....	Apr. 6.....			Epidemic.
Cuba:				
Habana.....	Dec. 3-9.....	1		From s. s. La Navarre.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 22, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil.....	Jan. 1-31.....	3		
Egypt, general.....	Nov. 5-Feb. 18.....	749	187	
Alexandria.....	Nov. 5-Jan. 21.....	20	19	
Cairo.....	Nov. 26-Mar. 25.....	26	4	
Port Said.....	Mar. 19-25.....	1		
France:				
Nantes.....	Jan. 1-31.....	1		
Paris.....	Dec. 5-Mar. 26.....	131	17	
Germany, general.....	Dec. 5-Mar. 26.....	115		
Bremen.....	Feb. 27-Apr. 2.....	2		
Königsberg.....	Dec. 12-Jan. 15.....	2	2	In vicinity.
Great Britain:				
Bristol.....	Feb. 6-Mar. 26.....	4		Mar. 13-26. 2 cases on steamship from Bombay.
Greenock.....	Feb. 6-12.....	1		
Hull.....	Jan. 16-22.....	2		
Liverpool.....	Dec. 19-Feb. 5.....	9		
London.....	Nov. 28-Mar. 5.....	21		
Newcastle-on-Tyne.....	Feb. 13-Mar. 5.....	3	1	
Nottingham.....	Jan. 16-26.....	4	1	
Plymouth.....	Nov. 12-18.....		1	
Sheffield.....	Mar. 27-Apr. 2.....	1		
Southampton.....	Nov. 12-18.....	1		
South Shields.....	Feb. 13-19.....	1		
Greece:				
Athens.....	Nov. 22-Mar. 12.....		19	
Hawaii:				
Honolulu.....	Jan. 31-Apr. 15.....	5	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura. 1 case Apr. 9 on s. s. Manchuria from the Orient. Case Apr. 15 on U. S. S. Albatross from Yokohama.
India:				
Bombay.....	Nov. 24-Mar. 15.....		363	
Calcutta.....	Nov. 14-Mar. 5.....		17	
Kurrachee.....	Jan. 2-Feb. 26.....	13	2	
Madras.....	Dec. 18-Mar. 11.....		9	
Rangoon.....	Nov. 20-Mar. 5.....		113	
Indo-China:				
Salgon.....	Dec. 7-13.....	1		
Italy, general.....	Nov. 29-Mar. 27.....	273		
Genoa.....	Dec. 1-Mar. 15.....	20	1	
Milan.....	Jan. 1-16.....	1		
Naples.....	Dec. 6-Mar. 27.....	274	47	
Japan:				
Formosa.....	Feb. 6-Mar. 5.....	57	7	
Kobe.....	Dec. 12-25.....	1	1	
Java:				
Batavia.....	Dec. 12-Feb. 12.....	9	1	
Korea:				
Fusan.....	Feb. 1-12.....	6	1	
Ilmyokyo.....	Feb. 26.....			Present.
Liberia:				
Monrovia.....	Nov. 28-Dec. 4.....	6		
Malta:				
Valetta.....	Dec. 12-Jan. 15.....	3	1	
Manchuria:				
Tie-ling.....	Feb. 19.....			Do.
Mexico:				
Aguaascalientes.....	Dec. 12-Apr. 2.....		44	
Chihuahua.....	Dec. 13-Mar. 27.....	16	9	
Guadalajara.....	Jan. 29-Mar. 11.....		6	
Manzanillo.....	Mar. 1-6.....	5		
Mexico.....	Nov. 14-Feb. 19.....		16	
Monterey.....	Nov. 13-Feb. 20.....		2	
Veracruz.....	Feb. 13-19.....	1		
New Providence:				
Nassau.....	Apr. 2.....	1		From S. S. Vigilancia.
Netherlands:				
Rotterdam.....	Dec. 5-11.....	7		
Persia:				
Arabistan.....	Dec. 6-31.....			Present.
Enzell.....	Jan. 9-Feb. 2.....			Do.
Hamadan.....	Nov. 15-Dec. 31.....			Do.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 22, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Kasbin.....	Jan. 5-Feb. 3.....			Present.
Kurdistan.....	Dec. 6-31.....			Do.
Laristan.....	Dec. 9-15.....			Do.
Mohammerah.....	Jan. 9-Feb. 2.....			Do.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.
Peru:				
Callao.....	Dec. 6-12.....			Do.
Philippine Islands:				
Manila.....	Nov. 14-Feb. 26....	44		Third quarter, 1909—Cases, 5 deaths, 0.
Portugal:				
Lisbon.....	Dec. 5-Mar. 26....	275		
Porto Rico, general.....	July 1-Dec. 31.....	72	12	
Russia:				
Batoum.....	Dec. 1-31.....	5		
Libau.....	Dec. 6-Mar. 27....	45	1	
Moscow.....	Nov. 21-Mar. 12....	231	80	
Odesa.....	Nov. 21-Mar. 26....	457	96	
Riga.....	Dec. 5-Mar. 26....	53		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg.....	Nov. 28-Mar. 19....	737	214	
Saratov.....	Mar. 19-25.....			Epidemic.
Warsaw.....	Oct. 24-Jan. 29....		213	
Siam:				
Bangkok.....	Nov. 28-Feb. 28....	11	10	
Siberia:				
Vladivostok.....	Jan. 15-Feb. 13....	6	2	
Spain:				
Almeria.....	Jan. 1-31.....		13	
Barcelona.....	Dec. 14-Mar. 28....		36	
Cadiz.....	Jan. 1-31.....		1	
Huelva.....	Nov. 1-Feb. 28....		19	
Madrid.....	Dec. 1-Jan. 31.....		59	
Seville.....	Dec. 1-Feb. 28....		12	
Tarragona.....	Feb. 20-26.....		1	
Valencia.....	Jan. 9-Mar. 19....	7		
Vigo.....	Jan. 23-Mar. 19....		2	Mar. 5-19, present in vicinity.
Straits Settlements:				
Singapore.....	Jan. 22-Feb. 19....		7	
Tripoli:				
Tripoli.....	Nov. 14-Dec. 25....	242	24	
Turkey:				
Constantinople.....	Jan. 2-Feb. 6.....		2	
Turkey in Asia:				
Bagdad.....	Nov. 21-Feb. 26....			Present.
Salonica.....	Jan. 1-31.....		3	
Smyrna.....	Nov. 5-Dec. 31.....		42	
Trebizond.....	Mar. 5.....			Do.
Uruguay:				
Montevideo.....	Oct. 1-Jan. 31.....		94	
Venezuela:				
La Guaira.....	Mar. 1-15.....	1		

MORTALITY.

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Aberdeen.	Apr. 2	185,703	51									1	1
Aguascalientes.	Apr. 9	40,000	61					7	5				4
Do.	Apr. 16		62	4				5	1	1	2		1
Aix-la-Chapelle.	Mar. 26	161,847	30	3				5					
Amsterdam.	Apr. 2	569,712	142	16									5
Asuncion.	Mar. 12	72,000	18							1			
Athens.	do.	250,010	27					1		2		1	
Bahia.	Feb. 25	265,000	110	11	1			24					
Do.	Mar. 4		113	15	1			19		1			
Do.	Mar. 11		117	17	1			21					
Barcelona.	Apr. 4	591,272	406	22				2		2		3	
Barmen.	Mar. 26	164,000	33	5								1	
Do.	Apr. 2		46	4								2	2
Batavia.	Mar. 12	217,630					1						
Belfast.	Mar. 26	391,167	125	18								3	10
Do.	Apr. 2		138	29						1	2	1	6
Belgrade.	do.	80,000										1	
Berlin.	Mar. 26	2,125,718	571	99						14	17	1	1
Bombay.	Mar. 22	977,822	890	62	203			78		4		2	
Budapest.	Mar. 26	804,200									3	1	3
Do.	Apr. 3										4	3	5
Cairo.	Mar. 18	677,633	414	32				4	2			13	6
Do.	Mar. 25		378	23				10	1			4	7
Calcutta.	Mar. 12	847,796	526	36	27	80						9	
Canton.	Feb. 26	1,000,000	130	12				2		3		3	2
Do.	Mar. 5		150	15						3		3	
Do.	Mar. 12		140	12						3		2	2
Do.	Mar. 19		130	20				2		3		2	1
Chemnitz.	Apr. 2	280,230	11								1		1
Christiania.	do.	236,000	58	10							5		
Coburg.	do.	23,567	5								1		
Cologne.	do.	510,903	140	26							6	4	8
Colombo.	Mar. 12	187,564	93	11									
Constantinople.	Apr. 3	1,000,000	247	36					5	3	1	1	
Dresden.	Apr. 2	550,800	136	22						5	2		2
Edinburgh.	do.	360,276	110	12							1	4	
Frankfort-on-the-Main.	do.	410,000	113								3	3	1
Fusan.	Mar. 5	38,884					1		1				
Ghent.	Apr. 2	165,475	62	3								1	
Glasgow.	Apr. 8	872,021	297							1	2	1	10
Gothenburg.	Apr. 2	164,000	65	13							2		2
Hull.	do.	280,006	86									3	2
Karachi.	Mar. 19	130,000	117		59								
Kingston.	Apr. 2	48,504	2						2				
Kobe.	Mar. 19	380,717	155						1		5		
Do.	Mar. 26	387,915	110								1		
Konigsberg.	Apr. 2	243,200	74	9									1
La Guaira.	do.	10,000	10	1			1			2			
Leipzig.	do.	590,329	163	24							2	3	2
Libau.	Apr. 3	90,000										1	
Leith.	Apr. 2	86,767	33	3								4	
Liege.	Mar. 26	176,893	64	8							1		1
London.	Apr. 8	7,537,196	1,938							4	4	17	30
Madras.	Mar. 18	550,000	341			3		1					64
Magdeburg.	Mar. 26	278,026	72	7									
Manchester.	Apr. 2	631,533	215	17						2	2	2	
Mannheim.	Mar. 19	186,307	43	9									6
Do.	Mar. 26	193,291	26	3									1
Mexico.	Mar. 12	500,000	410	27				3	15		4		5
Milan.	Mar. 31	900,000	95	84						5	1	2	1
Monterey.	Apr. 10	100,000	61	7				2		1			1
Moscow.	Mar. 19	1,500,000	699	93				6	4	5	25	13	21
Do.	Mar. 26		742	104				14	2	2	21	19	21
Nagasaki.	Mar. 20	176,970	33	4						1			
Nantes.	Apr. 2	161,908	61	16						3			
Naples.	do.	593,729	273					2		1			
Newcastle-on-Tyne.	do.	281,584	84	8							1	3	
Nuremberg.	Mar. 12	323,500	117	24								1	6
Do.	Mar. 19		94	20									6
Do.	Mar. 26		94	14									6
Odessa.	do.	520,000	200	23				9	1	1	5	3	1

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Paris.....	Apr. 2	2,776,394	1,036	242	.....	.....	.....	1	.....	2	3	4	23	15
Penang.....	Mar. 12	103,582	53	15	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Plymouth.....	Apr. 9	124,180	33	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2
Port Said.....	Mar. 18	52,591	54	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Mar. 25	.....	29	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Prague.....	Mar. 19	233,649	169	31	.....	.....	.....	.....	.....	.....	.....	.....	4	1
Do.....	Apr. 2	.....	88	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangoon.....	Mar. 12	252,155	183	6	15	1	.....	25	.....	.....	.....	.....	.....	.....
St. Petersburg.....	Mar. 26	1,678,000	944	162	.....	.....	.....	8	.....	19	20	13	70	14
Santa Cruz de Teneriffe.....	Apr. 2	46,000	29	4	.....	.....	.....	.....	1	.....	3	5	.....	.....
Shanghai.....	Mar. 20	565,000	158	1	.....	.....	.....	8	.....	.....	4	3	.....	.....
Do.....	Mar. 27	.....	175	10	.....	.....	.....	6	.....	.....	4	1	.....	.....
Singapore.....	Mar. 12	271,060	160	20	.....	.....	.....	3	.....	1	.....	.....	.....	.....
Southampton.....	Apr. 9	127,157	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Shields.....	Apr. 2	119,737	28	4	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Stockholm.....	Mar. 19	339,582	135	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Mar. 26	.....	137	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stettin.....	Apr. 2	239,000	79	4	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Sunderland.....	do.....	160,796	44	1	.....	.....	.....	.....	.....	1	1	1	1	1
Tarragona.....	do.....	20,400	9	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trieste.....	do.....	221,124	107	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Turin.....	Mar. 24	391,968	150	18	.....	.....	.....	.....	.....	1	1	3	4	1
Do.....	Mar. 31	.....	130	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valencia.....	Apr. 2	240,000	109	6	.....	.....	.....	.....	.....	2	.....	1	.....	.....
Venice.....	Mar. 19	183,224	78	7	.....	.....	.....	.....	.....	4	1	2	5	.....
Do.....	Mar. 26	.....	70	2	.....	.....	.....	.....	.....	5	2	2	2	.....
Vienna.....	do.....	2,085,888	708	106	.....	.....	.....	.....	.....	1	6	5	22	.....
Do.....	Apr. 2	.....	728	114	.....	.....	.....	.....	.....	1	12	4	26	8
Vigo.....	do.....	40,000	12	3	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Warsaw.....	Feb. 5	764,054	284	61	.....	.....	.....	10	1	2	7	8	3	5
Winnipeg.....	Apr. 9	122,000	26	10	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Yokkachi.....	Mar. 9	70,000	26	4	.....	.....	.....	.....	.....	.....	.....	3	3	.....
Yokohama.....	Mar. 28	392,870	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES
(untabulated).

AUSTRALIA—*Fremantle*.—Months of November and December, 1910. Population, 261,563. Total number of deaths from all causes 39, including typhoid fever 2, diphtheria 1.

AZORES—*St. Michaels*.—Month of January, 1910. Population, 131,183. Total number of deaths from all causes 196, including typhoid fever 4, tuberculosis 8.

BRAZIL—*Ceara*.—Month of February, 1910. Population, 55,000. Total number of deaths from all causes 242, including typhoid fever 7, tuberculosis 14.

Rio de Janeiro.—Month of March, 1910. Population, 850,000. Total number of deaths from all causes 1,245, including measles 7, diphtheria 4, tuberculosis 225.

CANADA—*Prince Edward Island*.—Year ended May 31, 1909. Population, 103,259. Total number of deaths from all causes 958, including typhoid fever 15, tuberculosis (pulmonary) 146.

Yukon Territory—Dawson.—Month of January, 1910. Population, 9,142. Total number of deaths from all causes 10, including typhoid fever 1.

EAST AFRICA—Lourenço Marquez.—Month of February, 1910. Population, 10,000. Total number of deaths from all causes 27, including tuberculosis 9.

FRANCE—Calais.—Month of March, 1910. Population, 80,000. Total number of deaths from all causes 98, including typhoid fever 2, scarlet fever 1, diphtheria 2, tuberculosis 25.

Cherbourg.—Month of March, 1910. Population, 43,837. Total number of deaths from all causes 102, including diphtheria 1, tuberculosis 24.

GREAT BRITAIN.—Week ended March 26, 1910.

England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 13.9 per 1,000 of the population, which is estimated at 16,713,617.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 21.1 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Waterford, viz, 11.7 and the highest at Kilkenny, viz, 44.2.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 15.3 per 1,000 of the population, which is estimated at 1,864,194. The total number of deaths from all causes was 556, including typhoid fever 1, measles 45, scarlet fever 6, diphtheria 6.

ITALY—Genoa.—Month of March, 1910. Population, 279,163. Total number of deaths from all causes 236, including scarlet fever 1, tuberculosis 30.

Rome.—December 11 to 25, 1910. Population, 559,715. Total number of deaths from all causes 592, including typhoid fever 6, measles 2, diphtheria 3, tuberculosis 38.

JAMAICA—Kingston.—Month of March, 1910. Population, 48,500. Total number of deaths from all causes 162, including tuberculosis 16.

MAURITIUS—Port Louis.—Month of January, 1910. Population, 373,071. Total number of deaths from all causes 1,035, including plague 61, tuberculosis 73.

MEXICO—Tampico.—March 21 to April 10, 1910. Population, 17,279. Total number of deaths from all causes 37, including tuberculosis 7.

RUSSIA—Libau.—February 14 to March 13, 1910. Population, 90,000. Total number of deaths from all causes not reported. Five deaths from scarlet fever, and 3 from diphtheria reported.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.